

4919

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5578

Met	Asp	Xaa	Gln	Thr	Asn	Gly	Thr	Lys	Leu	Arg	Ser	Gln	Ile	Glu	Ile
1				5				10					15		

Asn	Gln	Ser	Val	Asp	Leu	Leu	Ile	Tyr	Gly	Asn	Val	Phe	Cys	Glu	Ile
			20					25					30		

Tyr	Gln	Leu	Met	Gly	Lys	Arg	Leu	Phe	Lys	Thr
			35				40			

<210> 5579

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

4920

<220>
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 <222> (130)
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (136)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 5579
 Thr Ser Gly Ile Gly Thr Ser Pro Ser Leu Arg Ser Leu Gln Ser Leu
 1 5 10 15
 Leu Gly Pro Ser Ser Lys Phe Arg His Ala Gln Gly Thr Val Leu His
 20 25 30
 Arg Asp Ser His Ile Thr Asn Leu Lys Gly Leu Asn Leu Thr Thr Pro
 35 40 45
 Gly Glu Ser Asp Gly Phe Cys Ala Asn Lys Leu Arg Val Ala Val Pro
 50 55 60
 Leu Leu Ser Ser Xaa Xaa Gln Val Ala Val Leu Glu Leu Arg Lys Pro
 65 70 75 80
 Gly Arg Leu Pro Asp Thr Ala Leu Pro Thr Leu Gln Asn Gly Ala Ala
 85 90 95
 Val Thr Asp Leu Ala Trp Asp Pro Phe Asp Pro His Arg Leu Ala Val
 100 105 110

4921

Ala Gly Glu Asp Ala Xaa Ile Arg Leu Trp Xaa Val Pro Ala Xaa Gly
 115 120 125

Xaa Xaa Arg Xaa Xaa His Xaa Xaa Xaa Asn Cys Ala Tyr Lys Ala
 130 135 140

<210> 5580

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5580

Ser Asn Ser Leu Gln Val Trp Gly Trp Gln Ile Leu Ala Pro Leu Lys
 1 5 10 15

Trp Ile Pro His Ala His Ala Ser Leu Phe Phe Ser Val Ala Arg Gly
 20 25 30

Xaa Met Asp Lys Pro Lys Leu Gln Leu Lys Thr Xaa His Arg Pro Gly
 35 40 45

Thr Val Thr His Ala Phe Asn Ile Ser Thr Leu Gly Xaa Gln Gly Gly
 50 55 60

Arg Ile Thr
 65

<210> 5581

<211> 66

<212> PRT

<213> Homo sapiens

4922

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5581

Gly	Leu	Pro	Lys	Ala	Gln	Gln	Glu	Gln	Leu	Leu	Leu	Ile	Leu	Gln	Xaa
1				5					10					15	

Pro	Xaa	Pro	Arg	Pro	Ala	Phe	His	Pro	Lys	Pro	His	Leu	Val	Ser	Met
			20					25					30		

Ser	Ile	Ser	Thr	Val	Trp	Pro	Ser	Cys	Asp	Cys	Ser	Leu	Ala	Ala	Thr
		35					40					45			

Pro	Ser	Val	Ile	Pro	His	Ser	Glu	Ser	Ser	Phe	Ser	Gly	Ser	Leu	Ala
		50				55					60				

Phe	Ser
65	

<210> 5582

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5582

Ser	Leu	Ile	Ser	Asp	Ala	Leu	Arg	Phe	Leu	Arg	Ser	Glu	Met	Ile	Lys
1					5				10					15	

Leu	Tyr	Ser	Leu	Val	Tyr	Trp	Tyr	Phe	Phe	Thr	Ser	Ser	Glu	Ile	Gly
			20					25					30		

Xaa	Met	Leu	Tyr	Val	Arg	Arg	Ala	Phe	Phe	Lys	Leu	Cys	Cys	Phe	Glu
		35					40					45			

His	Val	Tyr	Leu	Phe
50				

4923

<210> 5583

<211> 58

<212> PRT

<213> Homo sapiens

<400> 5583

Gln Gly Lys Lys Ser Ala Val Cys Leu Val Phe Ile Phe Val Phe Thr
 1 5 10 15

Gln Val Gly Leu Leu Phe Glu Thr Phe Phe Leu Asn Lys Arg Ser Tyr
 20 25 30

Lys Val Phe Thr Phe Ser Pro Ser Lys Asn Pro Ile Phe Leu Glu Phe
 35 40 45

Gly Leu Ser Ile Ile Ser Gly Ile Lys Glu
 50 55

<210> 5584

<211> 78

<212> PRT

<213> Homo sapiens

<400> 5584

Thr Thr Val Asn Ile His Val Gly Gly Gly Gly Arg Leu Arg Pro Ala
 1 5 10 15

Lys Ala Gln Val Arg Leu Asn His Pro Ala Leu Leu Ala Ser Thr Gln
 20 25 30

Glu Ser Met Gly Leu His Arg Ala Gln Gly Leu Leu Met Pro Pro Ser
 35 40 45

Thr Cys Glu Pro Gly His Glu Ala Ser Leu Lys Gln Gly Phe Gln Pro
 50 55 60

Asp Ala Ile Asp Pro Gln Asn Leu Thr Trp Lys Ser Arg His
 65 70 75

<210> 5585

<211> 54

<212> PRT

<213> Homo sapiens

4924

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5585

Ile	Ser	Lys	Gln	Leu	Tyr	Phe	Phe	Ile	Gln	Ala	Cys	His	Cys	Glu	Pro
1				5				10						15	

Val	Leu	Ile	Val	Ser	Glu	Leu	Phe	Val	Xaa	Pro	Glu	Phe	Cys	Leu	Leu
			20					25					30		

Ile	Ser	Phe	Gln	Leu	His	Ser	Xaa	Ser	Phe	Phe	Asn	Cys	Val	Gly	Gly
		35					40					45			

Lys	Asn	Asn	Gly	Arg	Asn
			50		

<210> 5586

<211> 89

<212> PRT

<213> Homo sapiens

<400> 5586

Leu	Tyr	Ser	Phe	Ser	Ser	Leu	Leu	Pro	Leu	Ser	Pro	Arg	Trp	Lys	Lys
1				5				10						15	

Arg	Thr	Asn	Val	Glu	Thr	Pro	Glu	Gly	Val	Gln	Leu	Asp	Gln	Gly	Asp
		20						25					30		

Ile	Arg	His	Leu	Thr	Val	Phe	Ser	Val	Cys	Pro	Ser	Leu	Tyr	Ser	Asn
		35					40					45			

Val	Arg	Asn	Gly	Ser	Val	Phe	Phe	Phe	Thr	Phe	Ile	Gly	Ser	Ser	Tyr
		50				55					60				

Phe	Ser	Thr	Leu	Phe	Leu	Met	Cys	Ser	Phe	Phe	Asn	Trp	Leu	Val	Phe
		65			70					75					80

Pro	Tyr	Tyr	Leu	Gln	Leu	Tyr	Gly	Leu
					85			

4925

<210> 5587

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5587

Gln Lys Asn Pro Leu Met Val Cys Phe Leu Tyr Trp Ala Thr Gln Trp
1 5 10 15

Cys Xaa Lys Val Tyr Met Lys Pro Gln Cys Lys Gln Gly Leu Ser Ser
20 25 30

Gln Asp Ile Asn Phe Asp Arg Lys Xaa Cys Val Phe Met Cys Val Cys
35 40 45

Val Ser Gly Cys Asn
50

<210> 5588

<211> 46

<212> PRT

<213> Homo sapiens

<400> 5588

Phe Cys Lys Tyr Asn Asn Asn Ser Asn Asn Thr Ile Leu Ser Phe Lys
1 5 10 15

Lys Leu Pro Ile His Phe Ser Asn Leu Thr Val Ser Gly Gly Val Tyr
20 25 30

Val Cys Leu Cys Phe His Leu Cys Asn Gly Cys Leu Ile Ile
35 40 45

<210> 5589

<211> 58

<212> PRT

<213> Homo sapiens

4926

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5589

Cys Leu Thr Met Ala Ser Glu His Val Lys Cys Thr Tyr Ile Leu Gln

1

5

10

15

Pro Lys Thr Val Cys Ile Lys Leu Gln Pro Ser Ile Ile Lys Phe Xaa

20

25

30

Val Gln Phe Gln Asp Gly Asn Gln Gly Phe Phe Phe Arg Asp Val Lys

35

40

45

Lys Ser Pro Ser Xaa Ile Ile Leu Asn Leu

50

55

<210> 5590

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5590

Gln Leu Asn Phe Met Asn Met Phe Val Lys Leu Leu Phe Tyr Ile Ser

1

5

10

15

Cys Gln Ile Glu Lys Phe Ile Ser Ser Leu Leu Tyr Leu Trp Lys Tyr

20

25

30

Lys Pro Phe Tyr Arg Lys Lys Ser Ser Lys Thr Ile Lys Trp Ile Ser

35

40

45

4927

Ala Cys Phe Val Ser His Cys Leu Gln Ile Leu Trp Leu Ser Xaa Gly
 50 55 60

His Arg Ala Leu Val Gly Cys Thr Gly Xaa Pro Ile Phe Pro
 65 70 75

<210> 5591

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5591

Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Xaa
 1 5 10 15

Thr Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
 20 25 30

Gly Thr Ala Lys Val Tyr Gly Met Val Cys
 35 40

<210> 5592

<211> 502

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5592

Pro Val Ala Ala Val Ser Gly Arg Ala Val Gly Gly Ser Arg Gly Gly
 1 5 10 15

Gly Arg Gly Gly Met Ala Ala Ala Ala Ala Gly Ala Gly Ser Gly Pro
 20 25 30

4928

Trp	Ala	Ala	Gln	Glu	Lys	Gln	Phe	Pro	Pro	Ala	Leu	Leu	Ser	Phe	Phe	
		35					40					45				
Ile	Tyr	Asn	Pro	Arg	Phe	Gly	Pro	Arg	Glu	Gly	Gln	Glu	Glu	Asn	Lys	
	50					55					60					
Ile	Leu	Phe	Tyr	His	Pro	Asn	Glu	Val	Glu	Lys	Asn	Glu	Lys	Ile	Arg	
	65				70					75					80	
Asn	Val	Gly	Leu	Cys	Glu	Ala	Ile	Val	Gln	Phe	Thr	Arg	Thr	Phe	Ser	
				85					90					95		
Pro	Ser	Lys	Pro	Ala	Lys	Ser	Leu	His	Thr	Gln	Lys	Asn	Arg	Gln	Phe	
			100					105					110			
Phe	Asn	Glu	Pro	Glu	Glu	Asn	Phe	Trp	Met	Val	Met	Val	Val	Arg	Xaa	
		115					120					125				
Pro	Ile	Ile	Glu	Lys	Gln	Ser	Lys	Asp	Gly	Lys	Pro	Val	Ile	Glu	Tyr	
	130					135					140					
Gln	Glu	Glu	Glu	Leu	Leu	Asp	Lys	Val	Tyr	Ser	Ser	Val	Leu	Arg	Gln	
	145				150					155					160	
Cys	Tyr	Ser	Met	Tyr	Lys	Leu	Phe	Asn	Gly	Thr	Phe	Leu	Lys	Ala	Met	
				165					170					175		
Glu	Asp	Gly	Gly	Val	Lys	Leu	Leu	Lys	Glu	Arg	Leu	Glu	Lys	Phe	Phe	
			180					185					190			
His	Arg	Tyr	Leu	Gln	Thr	Leu	His	Leu	Gln	Ser	Cys	Asp	Leu	Leu	Asp	
		195					200					205				
Ile	Phe	Gly	Gly	Ile	Ser	Phe	Phe	Pro	Leu	Asp	Lys	Met	Thr	Tyr	Leu	
	210					215					220					
Lys	Ile	Gln	Ser	Phe	Ile	Asn	Arg	Met	Glu	Glu	Ser	Leu	Asn	Ile	Val	
	225				230					235					240	
Lys	Tyr	Thr	Ala	Phe	Leu	Tyr	Asn	Asp	Gln	Leu	Ile	Trp	Ser	Gly	Leu	
				245					250					255		
Glu	Gln	Asp	Asp	Met	Arg	Ile	Leu	Tyr	Lys	Tyr	Leu	Thr	Thr	Ser	Leu	
			260					265					270			
Phe	Pro	Arg	His	Ile	Glu	Pro	Glu	Leu	Ala	Gly	Arg	Asp	Ser	Pro	Ile	
		275					280					285				
Arg	Ala	Glu	Met	Pro	Gly	Asn	Leu	Gln	His	Tyr	Gly	Arg	Phe	Leu	Thr	
	290					295					300					

4929

Gly Pro Leu Asn Leu Asn Asp Pro Asp Ala Lys Cys Arg Phe Pro Lys
 305 310 315 320
 Ile Phe Val Asn Thr Asp Asp Thr Tyr Glu Glu Leu His Leu Ile Val
 325 330 335
 Tyr Lys Ala Met Ser Ala Ala Val Cys Phe Met Ile Asp Ala Ser Val
 340 345 350
 His Pro Thr Leu Asp Phe Cys Arg Arg Leu Asp Ser Ile Val Gly Pro
 355 360 365
 Gln Leu Thr Val Leu Ala Ser Asp Ile Cys Glu Gln Phe Asn Ile Asn
 370 375 380
 Lys Arg Met Ser Gly Ser Glu Lys Glu Pro Gln Phe Lys Phe Ile Tyr
 385 390 395 400
 Phe Asn His Met Asn Leu Ala Glu Lys Ser Thr Val His Met Arg Lys
 405 410 415
 Thr Pro Ser Val Ser Leu Thr Ser Val His Pro Asp Leu Met Lys Ile
 420 425 430
 Leu Gly Asp Ile Asn Ser Asp Phe Thr Arg Val Asp Glu Asp Glu Glu
 435 440 445
 Ile Ile Val Lys Ala Met Ser Asp Tyr Trp Val Val Gly Lys Lys Ser
 450 455 460
 Asp Arg Arg Glu Leu Tyr Val Ile Leu Asn Gln Lys Asn Ala Asn Leu
 465 470 475 480
 Ile Glu Val Asn Glu Glu Val Lys Lys Leu Cys Ala Thr Gln Phe Asn
 485 490 495
 Asn Ile Phe Phe Leu Asp
 500

<210> 5593

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

4930

<400> 5593

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Asn Pro Gly Ile Leu Ser Pro Ser Asn Leu Lys Val Phe Lys Leu Ile
 1           5           10           15

Leu Phe Tyr Val Phe Leu Ala Val Tyr Val Leu Leu Lys Ser Leu Ser
          20           25           30

Phe Cys Val Lys Ile Cys Leu Ser Leu Leu His Phe Thr Ala Ser Lys
          35           40           45

Ile Lys Asn Thr Tyr Ile Leu Leu Xaa Ile Asp Ala Ser Lys
          50           55           60

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<210> 5594

<211> 453

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (327)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5594

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Ser Ile Phe Arg Val Ser Pro Gly Phe Arg Ile Ala Met Ile Ile Pro
 1           5           10           15

Ser Leu Glu Glu Leu Asp Ser Leu Lys Tyr Ser Asp Leu Gln Asn Leu
          20           25           30

Ala Lys Ser Leu Gly Leu Arg Ala Asn Leu Arg Ala Thr Lys Leu Leu
          35           40           45

Lys Ala Leu Lys Gly Tyr Ile Lys His Glu Ala Arg Lys Gly Asn Glu
          50           55           60

Asn Gln Asp Glu Ser Gln Thr Ser Ala Ser Ser Cys Asp Glu Thr Glu
          65           70           75           80

Ile Gln Ile Ser Asn Gln Glu Glu Ala Glu Arg Gln Pro Leu Gly His
          85           90           95

Val Thr Lys Thr Arg Arg Arg Cys Lys Thr Val Arg Val Asp Pro Asp
          100          105          110

Ser Gln Gln Asn His Ser Glu Ile Lys Ile Ser Asn Pro Thr Glu Phe
          115          120          125

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4931

Gln Asn His Glu Lys Gln Glu Ser Gln Asp Leu Arg Ala Thr Ala Lys
 130 135 140

Val Pro Ser Pro Pro Asp Glu His Gln Glu Ala Glu Asn Ala Val Ser
 145 150 155 160

Ser Gly Asn Arg Asp Ser Lys Val Pro Ser Glu Gly Lys Lys Ser Leu
 165 170 175

Tyr Thr Asp Glu Ser Ser Lys Pro Gly Lys Asn Lys Arg Thr Ala Ile
 180 185 190

Thr Thr Pro Asn Phe Lys Lys Leu His Glu Ala His Phe Lys Glu Met
 195 200 205

Glu Ser Ile Asp Gln Tyr Ile Glu Arg Lys Lys Lys His Phe Glu Glu
 210 215 220

His Asn Ser Met Asn Glu Leu Lys Gln Gln Pro Ile Asn Lys Gly Gly
 225 230 235 240

Val Arg Thr Pro Val Pro Pro Arg Gly Arg Leu Ser Val Ala Ser Thr
 245 250 255

Pro Ile Ser Gln Arg Arg Ser Gln Gly Arg Ser Cys Gly Pro Ala Ser
 260 265 270

Gln Ser Thr Leu Gly Leu Lys Gly Ser Leu Lys Arg Ser Ala Ile Ser
 275 280 285

Ala Ala Lys Thr Gly Val Arg Phe Ser Ala Ala Thr Lys Asp Asn Glu
 290 295 300

His Lys Arg Ser Leu Thr Lys Thr Pro Ala Arg Lys Ser Ala His Val
 305 310 315 320

Thr Val Ser Gly Gly Thr Xaa Lys Gly Glu Ala Val Leu Gly Thr His
 325 330 335

Lys Leu Lys Thr Ile Thr Gly Asn Ser Ala Ala Val Ile Thr Pro Phe
 340 345 350

Lys Leu Thr Thr Glu Ala Thr Gln Thr Pro Val Ser Asn Lys Lys Pro
 355 360 365

Val Phe Asp Leu Lys Ala Ser Leu Ser Arg Pro Leu Asn Tyr Glu Pro
 370 375 380

His Lys Gly Lys Leu Lys Pro Trp Gly Gln Ser Lys Glu Asn Asn Tyr
 385 390 395 400

4932

Leu Asn Gln His Val Asn Arg Ile Asn Phe Tyr Lys Lys Thr Tyr Lys
405 410 415

Gln Pro His Leu Gln Thr Lys Glu Glu Gln Arg Lys Lys Arg Glu Gln
420 425 430

Glu Arg Lys Glu Lys Lys Ala Lys Val Leu Gly Met Arg Arg Gly Leu
435 440 445

Ile Leu Ala Glu Asp
450

<210> 5595

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5595

Leu Leu Lys Lys Lys Ser Gly Glu Glu Arg Tyr Leu Ser Asn Leu Leu
1 5 10 15

Asn Leu Tyr Lys Thr Leu His Cys Arg Gly Gly Ala Thr Pro Lys Tyr
20 25 30

Phe His Asp Leu His Gly Leu Ile Arg Phe Phe Phe Phe Tyr Thr Ile
35 40 45

Leu Ala Thr Phe Ser Met Glu Lys Arg Gln Phe Thr Gln Phe Pro Xaa
50 55 60

<210> 5596

<211> 307

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

4933

<220>

<221> SITE

<222> (300)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5596

His	Thr	Lys	Lys	Met	Ser	Met	Leu	Lys	Pro	Ser	Gly	Leu	Lys	Ala	Pro
1				5				10					15		
Thr	Lys	Ile	Leu	Lys	Pro	Gly	Ser	Thr	Ala	Leu	Lys	Thr	Pro	Thr	Ala
			20					25					30		
Val	Val	Ala	Pro	Val	Glu	Lys	Thr	Ile	Ser	Ser	Glu	Lys	Ala	Ser	Ser
		35					40					45			
Thr	Pro	Ser	Ser	Glu	Thr	Gln	Glu	Glu	Phe	Val	Asp	Asp	Phe	Arg	Val
	50					55					60				
Gly	Glu	Arg	Val	Trp	Val	Asn	Gly	Asn	Lys	Pro	Gly	Phe	Ile	Gln	Phe
65					70					75					80
Leu	Gly	Glu	Thr	Gln	Phe	Ala	Pro	Gly	Gln	Trp	Ala	Gly	Ile	Val	Leu
				85					90					95	
Asp	Glu	Pro	Ile	Gly	Lys	Asn	Asp	Gly	Ser	Val	Ala	Gly	Val	Arg	Tyr
		100						105					110		
Phe	Gln	Cys	Glu	Pro	Leu	Lys	Gly	Ile	Phe	Thr	Arg	Pro	Ser	Lys	Leu
		115					120					125			
Thr	Arg	Lys	Val	Gln	Ala	Glu	Asp	Glu	Ala	Asn	Gly	Leu	Gln	Thr	Thr
	130						135				140				
Pro	Ala	Xaa	Arg	Ala	Thr	Ser	Pro	Leu	Cys	Thr	Ser	Thr	Ala	Ser	Met
145						150				155					160
Val	Ser	Ser	Ser	Pro	Ser	Thr	Pro	Ser	Asn	Ile	Pro	Gln	Lys	Pro	Ser
				165					170					175	
Gln	Pro	Ala	Ala	Lys	Glu	Pro	Ser	Ala	Thr	Pro	Pro	Ile	Ser	Asn	Leu
			180						185				190		
Thr	Lys	Thr	Ala	Ser	Glu	Ser	Ile	Ser	Asn	Leu	Ser	Glu	Ala	Gly	Ser
		195						200				205			
Ile	Lys	Lys	Gly	Glu	Arg	Glu	Leu	Lys	Ile	Gly	Asp	Arg	Val	Leu	Val
	210						215				220				
Gly	Gly	Thr	Lys	Ala	Gly	Val	Val	Arg	Phe	Leu	Gly	Glu	Thr	Asp	Phe
225					230					235					240

4934

Ala Lys Gly Glu Trp Cys Gly Val Glu Leu Asp Glu Pro Leu Gly Lys
 245 250 255

Asn Asp Gly Ala Val Ala Gly Thr Arg Tyr Phe Gln Cys Gln Pro Lys
 260 265 270

Tyr Gly Leu Phe Ala Pro Val His Lys Val Thr Lys Ile Gly Phe Pro
 275 280 285

Ser Thr Thr Pro Ala Lys Ala Lys Ala Asn Ala Xaa Gly Glu Leu Trp
 290 295 300

Arg Pro Arg
 305

<210> 5597

<211> 118

<212> PRT

<213> Homo sapiens

<400> 5597

Asn Gly Gly Gly Gln His Cys Cys Trp Arg Asn Arg Met Pro His Pro
 1 5 10 15

Trp Trp Val Leu His Thr Val Ser Gly Gly Gln Val Ser Cys Gln Pro
 20 25 30

Pro Pro Arg Asn Ser Pro Pro Ser Glu Ala Thr Lys Thr Ser Arg Val
 35 40 45

Ser Gln Ser Ala Ile Leu Arg Lys Val Leu Arg Gly Thr Asp Lys Val
 50 55 60

Arg Arg Glu Ser Cys Gly Leu Glu Ala Ala Arg Asn Lys Pro Ser Arg
 65 70 75 80

Arg Arg Gly Ile Pro Ala Gly Gly Met Gly Gly Ala Gly Ala Trp Glu
 85 90 95

Met Arg Thr Gly Leu Val Met Val Cys Gly Arg Gln Leu Leu Arg Trp
 100 105 110

Arg Ala Gly Gly Arg Gly
 115

<210> 5598

4935

<211> 28

<212> PRT

<213> Homo sapiens

<400> 5598

Gln Tyr Phe Leu Lys Ile Ile Thr Tyr Ile Ile Val Thr Lys His Leu
 1 5 10 15

Cys Gln Ile Arg Thr Ser Ser Thr Glu Ala Ala Val
 20 25

<210> 5599

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5599

Lys Phe Trp Arg Leu Gly Xaa Leu Arg Ser Arg Ser Gln Gln Val Trp
 1 5 10 15

Cys Leu Ala Arg Ala His Ser Ser Leu Pro Ser Cys Cys Val Thr Ala
 20 25 30

Trp Trp Glu Gly Gln Ala Ser Ser His Gly Leu Phe Tyr Ser Gly Pro
 35 40 45

Xaa Ser Ile Gly Glu Gly Ser Ala Ile Ile Thr Ser Ser Pro Arg His
 50 55 60

Leu Gln Gly
 65

<210> 5600

<211> 50

<212> PRT

<213> Homo sapiens

4936

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5600

Xaa Ser Val His Thr Leu Tyr Arg Asn Ser Leu Tyr Ser Ile Pro Val
1 5 10 15

Glu Gly His Phe Asn Pro His Ser Ile Pro Ser Val Leu Arg Thr Ser
20 25 30

Ser Lys Ala Ala Cys Ser Ser Ser Ser Val Val Ala Thr Leu Asp Leu
35 40 45

His Val
50

<210> 5601

<211> 51

<212> PRT

<213> Homo sapiens

<400> 5601

Gly Asp Cys Gly Lys Gly Thr Val Tyr Lys Ala Val Gly Met Tyr Arg
1 5 10 15

Lys Ala Gln Gly Ile Gly Gln Gly Ala Gly Leu Phe Ile Val Ile Phe
20 25 30

Thr Ser Gly Leu Ile Leu Gly Gly Gly Gly Val Leu Pro Gly Thr Arg
35 40 45

Pro Tyr Gly
50

<210> 5602

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

4937

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5602

Lys Gln Phe Ala Ser Gly Asn Arg Thr Ala Gly Ala Val Phe Leu Gln
 1 5 10 15

Gln Gln Thr Lys His Arg Gly Arg Thr Gln Ala Ser Thr Glu Gln Ala
 20 25 30

Glu Thr Asp Asp Asn Met Asp Thr Lys Ser Ile Leu Glu Glu Leu Leu
 35 40 45

Leu Lys Arg Ser Gln Leu Leu Glu Met Cys Tyr Asp Val Cys Glu Gly
 50 55 60

Met Ala Phe Leu Glu Ser His Gln Phe Ile His Arg Asp Leu Ala Ala
 65 70 75 80

Arg Asn Cys Leu Val Asp Arg Asp Leu Cys Val Lys Val Ser Asp Phe
 85 90 95

Gly Met Thr Arg Tyr Val Leu Asp Asp Gln Tyr Val Ser Ser Val Gly
 100 105 110

Thr Lys Phe Pro Val Lys Trp Ser Ala Pro Xaa Val Phe His Tyr Phe
 115 120 125

Lys Tyr Ser Ser Lys Ser Xaa Arg Met Gly Ile Trp Asp Pro Asp
 130 135 140

<210> 5603

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5603

Asn Phe Val Phe Leu Val Glu Lys Gly Phe Leu His Val Gly Gln Xaa
 1 5 10 15

Gly Leu Glu Leu Pro Ile Ser Gly Asp Pro Pro Ala Ser Gln Ser Ala
 20 25 30

4938

Gly Ile Thr Gly Val Ser Thr Thr Pro Arg Leu
 35 40

<210> 5604

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5604

Val Gly Val Ser Ser Gln Leu Lys Lys Lys Xaa Asn Glu Ile Gly Ser
 1 5 10 15

Arg Asn Glu Lys Gly Glu Arg Glu Arg Lys Lys Lys Met Asp Val Gly
 20 25 30

Asn Phe Val Ala Cys Ser Leu Trp Ile Leu Gln Asn Tyr His Cys Gly
 35 40 45

Tyr Cys Leu Thr Trp Leu Leu Leu Ala Met Lys Asn Gln Glu His Phe
 50 55 60

His Tyr His Phe Leu Thr Ile His Gln Pro Gln Phe Leu Gly Ile Xaa
 65 70 75 80

Leu Lys Phe

<210> 5605

<211> 429

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

4939

<400> 5605

Val	Ser	Gln	Ala	Thr	Asp	Val	Glu	Val	Gly	Thr	Asp	Leu	Val	Pro	Ser
1				5					10					15	
Val	Thr	Val	Lys	Val	Thr	Leu	Gln	Asn	Arg	Val	Xaa	Leu	Gln	Lys	Ala
		20					25						30		
Lys	Leu	Ser	Val	Tyr	Val	Gln	Pro	Pro	Leu	Glu	Leu	Thr	Cys	Asp	Gln
		35					40					45			
Phe	Thr	Phe	Glu	Phe	Met	Asn	Arg	Asn	Pro	Asp	Gly	Ile	Pro	Arg	Val
	50					55					60				
Ile	Gln	Cys	Lys	Phe	Arg	Leu	Pro	Leu	Lys	Leu	Ile	Cys	Leu	Pro	Gly
65					70				75					80	
Gln	Pro	Ser	Lys	Thr	Ala	Ser	His	Lys	Ile	Thr	Ile	Asp	Thr	Asn	Lys
				85					90					95	
Ser	Pro	Val	Ser	Leu	Leu	Ser	Leu	Phe	Pro	Gly	Phe	Ala	Ser	Gln	Ser
		100						105					110		
Asp	Asp	Asp	Gln	Val	Asn	Val	Met	Gly	Phe	His	Phe	Leu	Gly	Gly	Ala
		115					120					125			
Arg	Ile	Thr	Val	Leu	Ala	Ser	Lys	Thr	Ser	Gln	Arg	Tyr	Arg	Ile	Gln
	130					135					140				
Ser	Glu	Gln	Phe	Glu	Asp	Leu	Trp	Leu	Ile	Thr	Asn	Glu	Leu	Ile	Leu
145					150					155				160	
Arg	Leu	Gln	Glu	Tyr	Phe	Glu	Lys	Gln	Gly	Val	Lys	Asp	Phe	Ala	Cys
			165						170					175	
Ser	Phe	Ser	Gly	Ser	Ile	Pro	Leu	Gln	Glu	Tyr	Phe	Glu	Leu	Ile	Asp
		180						185					190		
His	His	Phe	Glu	Leu	Arg	Ile	Asn	Gly	Glu	Lys	Leu	Glu	Glu	Leu	Leu
		195					200					205			
Ser	Glu	Arg	Ala	Val	Gln	Phe	Arg	Ala	Ile	Gln	Arg	Arg	Leu	Leu	Ala
	210					215					220				
Arg	Phe	Lys	Asp	Lys	Thr	Pro	Ala	Pro	Leu	Gln	His	Leu	Asp	Thr	Leu
225				230						235				240	
Leu	Asp	Gly	Thr	Tyr	Lys	Gln	Val	Ile	Ala	Leu	Ala	Asp	Ala	Val	Glu
			245						250					255	
Glu	Asn	Gln	Gly	Asn	Leu	Phe	Gln	Ser	Phe	Thr	Arg	Leu	Lys	Ser	Ala
		260						265					270		

4940

Thr His Leu Val Ile Leu Leu Ile Ala Leu Trp Gln Lys Leu Ser Ala
 275 280 285
 Asp Gln Val Ala Ile Leu Glu Ala Ala Phe Leu Pro Leu Gln Glu Asp
 290 295 300
 Thr Gln Glu Leu Gly Trp Glu Glu Thr Val Asp Ala Ala Ile Ser His
 305 310 315 320
 Leu Leu Lys Thr Cys Leu Ser Lys Ser Ser Lys Glu Gln Ala Leu Asn
 325 330 335
 Leu Asn Ser Gln Leu Asn Ile Pro Lys Asp Thr Ser Gln Leu Lys Lys
 340 345 350
 His Ile Thr Leu Leu Cys Asp Arg Leu Ser Lys Gly Gly Arg Leu Cys
 355 360 365
 Leu Ser Thr Asp Ala Ala Ala Pro Gln Thr Met Val Met Pro Gly Gly
 370 375 380
 Cys Thr Thr Ile Pro Glu Ser Asp Leu Glu Glu Arg Ser Val Glu Gln
 385 390 395 400
 Asp Ser Thr Glu Leu Phe Thr Asn His Arg His Leu Thr Ala Glu Thr
 405 410 415
 Pro Arg Pro Glu Val Ser Pro Leu Gln Gly Val Ser Glu
 420 425

<210> 5606

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5606

Asn Ile Thr Thr Met Asn Pro Thr Ser His Cys Lys Asp Cys Val Leu
 1 5 10 15

Tyr Phe Asp Leu Ser Ser Gly Ile Gly Asp Thr Leu Phe Gly His His
 20 25 30

Glu Gly Thr Met Gln Asn Pro Ser Phe Xaa Asn Ser Phe Leu Ser Ser

4941

35

40

45

Ile Glu Asp Pro Lys Asn Gln Thr Phe Arg Val
 50 55

<210> 5607

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5607

Lys Pro Gly His Thr Ala Gly Asp Glu Trp Lys Ala Ser Glu Thr Ser
 1 5 10 15

Trp Val Phe Thr Ala Ile Pro Arg Arg Ser His Tyr His Leu Ser Cys
 20 25 30

Val Ser Cys Glu Ile Ser Ser Ser Ile Arg Phe Ser Arg Ser Thr Asn
 35 40 45

Pro Phe Gly Thr Val Cys Glu Gly Ser Lys Leu Arg Ile Ser Tyr Glu
 50 55 60

Asn Leu Ile Pro Asp Asp Leu Leu Leu Ser Pro Thr Thr Pro Arg Trp
 65 70 75 80

Asp His Leu Val Ala Gly Lys Gln Ala Gln Ala Pro Thr Asp Ser Xaa
 85 90 95

Leu

<210> 5608

<211> 52

<212> PRT

<213> Homo sapiens

<400> 5608

Gln Arg Lys Arg Glu Glu Glu Gly Arg Leu Asp Thr Glu Arg Cys Leu
 1 5 10 15

Ala Arg Gly Ser Gln Ser Gly Val Gln Pro Leu Gly Gly Pro Thr Pro

4942

20 25 30
 Gly Glu Asp His Leu Pro Thr Ser Ser Ile Pro Thr Leu Pro Ala Pro
 35 40 45
 His Pro Ser Cys
 50

<210> 5609

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5609

Ala Xaa Thr Asn Phe Thr Gln Glu Xaa Ala Met Thr Met Ile Thr Pro
 1 5 10 15

Ser Ser Asn Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr
 20 25 30

Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Arg Gln Arg Leu
 35 40 45

Gln

<210> 5610

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

4943

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5610

Leu Ala Lys Glu Val Lys Pro Arg Gly Phe Pro Gly Gly Lys Ile Phe
1 5 10 15

Pro Pro Gly Gly Xaa Xaa Gly Asn Pro Pro Thr Gly Pro Val Xaa Pro
20 25 30

Gly Val Pro Lys Phe Lys Thr Pro Lys Phe
35 40

<210> 5611

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5611

His Ala Gln Gly Glu Ala Arg Val Gln Pro Leu Arg Gly Leu Leu Gln
1 5 10 15

Glu Arg Gly Gly Gln Gln Pro Trp Gly Arg Gly Arg Pro Arg Gly Gly

4944

20 25 30
 Gly His Gln Gly Thr Ala Arg Trp Ala Ser Ser Cys Pro Xaa Ser Trp
 35 40 45
 Ala Arg Ser Lys Ala Arg Xaa Asp Leu Leu Ala Trp Gln Pro Xaa Pro
 50 55 60
 Gly Ala Arg Ile Ala Ala Pro Val Ile Gln Asn Pro Ala Glu Gln Xaa
 65 70 75 80
 Pro Cys Ser Cys Ala
 85

<210> 5612

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5612

Thr Lys Phe His Phe Val Cys Val Cys Val His Val Cys Val Ser Thr
 1 5 10 15

Gly Gly Leu Cys Phe Ile Leu Cys Phe Phe Asp Ser Cys Ala Thr Ser
 20 25 30

Leu Pro His Ser Pro Lys Lys Asp Lys Thr Lys Leu Ser Thr Asn Pro
 35 40 45

His Ile Xaa Val Cys Leu Ser Xaa Thr Leu Thr Thr Val Pro Ile Ile
 50 55 60

Met Ser Ser Tyr Ile Pro Cys Lys Ile Trp Val Val Ser Tyr Thr Ala
 65 70 75 80

4945

Gly Leu His Leu Thr Leu Glu Gly Lys Lys Xaa
 85 90

<210> 5613

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5613

Asn Ser Glu Lys Glu Gln Trp Leu Cys Ser Phe Leu Ala Asn Xaa Leu
 1 5 10 15

Gln Lys Glu Ser Thr Trp Thr Ser Val Pro Gly Val Glu Ile Leu Arg
 20 25 30

Gly Xaa Glu Leu Val Gly Glu His Phe Pro Thr Trp Leu Arg Gln Gly
 35 40 45

Phe Xaa Trp Gly Arg Gly Arg Xaa Tyr Ser Gly Gly Xaa Ser Pro Pro
 50 55 60

Arg Arg His His Thr Phe Pro Pro Gly Val Pro Gln Gly Pro Arg
 65 70 75

4946

<210> 5614

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (215)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5614

Leu Ser Phe Phe Ser Leu Thr Ala Ser Tyr Ser Pro Ile Gln Pro His
 1 5 10 15

Ser Leu Ile Lys His Gln Gln Ile Pro Leu His Ser Pro Pro Ser Lys
 20 25 30

Val Ser His His Gln Leu Ile Leu Gln Gln Gln Gln Gln Ile Gln
 35 40 45

Pro Ile Thr Leu Gln Asn Ser Thr Gln Asp Pro Pro Pro Ser Gln His
 50 55 60

Cys Ile Pro Leu Gln Asn His Gly Leu Pro Pro Ala Pro Ser Asn Ala
 65 70 75 80

Gln Ser Gln His Cys Ser Pro Ile Gln Ser His Pro Ser Pro Leu Thr
 85 90 95

Val Ser Pro Asn Gln Ser Gln Ser Ala Gln Gln Ser Val Val Val Ser
 100 105 110

Pro Pro Pro Pro His Ser Pro Ser Gln Ser Pro Thr Ile Ile Ile His
 115 120 125

Pro Gln Ala Leu Ile Gln Pro His Pro Leu Val Ser Ser Ala Leu Gln
 130 135 140

Pro Gly Pro Asn Leu Gln Gln Ser Thr Ala Asn Gln Val Gln Ala Thr
 145 150 155 160

Ala Gln Leu Asn Leu Pro Ser His Leu Pro Leu Pro Ala Ser Pro Val
 165 170 175

Val His Ile Gly Pro Val Gln Gln Ser Ala Leu Val Ser Pro Gly Gln
 180 185 190

Gln Ile Val Ser Pro Ser His Gln Gln Tyr Ser Ser Leu Gln Ser Ser

4947

195

200

205

Pro Ile Pro Ile Ala Ser Xaa Pro Gln Met Ser
 210 215

<210> 5615

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5615

Pro Ser Arg Leu Leu Xaa Pro Leu Ile Arg Val Ser Ile Lys Leu Lys
 1 5 10 15

Leu Arg Pro Asp Arg Arg Thr Ala Ser Xaa
 20 25

<210> 5616

<211> 99

<212> PRT

<213> Homo sapiens

<400> 5616

Tyr Arg Ala Thr Phe Leu Asn Val Ser Asp Val Val Arg Pro Ser His
 1 5 10 15

Thr Ser Ala Val Ser Phe Ser Ala Ser Leu Gly Leu Ala Phe Cys Ser
 20 25 30

Ser Val Pro His Thr Met Ile Pro Leu Gly Gln Ala Phe Ala Cys Ala
 35 40 45

Val Ser Pro Val Lys Leu Thr Ser Leu Pro Leu Trp Ala Gln Ile Pro
 50 55 60

Ala Gln Val Ala Gly Val Arg Ser Ser Arg Gly Gly Glu Ser Ser Trp
 65 70 75 80

4948

Arg Ala Gly Ser Ile Val Arg Arg Lys Gly His Gly Gln Asn Pro Gly
 85 90 95

Glu His Arg

<210> 5617

<211> 67

<212> PRT

<213> Homo sapiens

<400> 5617

Gln Val Leu Cys Lys Cys Leu Pro Ser Leu Gln Val Pro Ala Thr Cys
 1 5 10 15

Pro Lys Lys Arg His Ile Lys Lys Leu Ser Asp Thr Ser Pro Asp Phe
 20 25 30

Ile Tyr Phe Ile Tyr Leu Thr Thr Tyr Met Leu Val Cys Arg Asn Tyr
 35 40 45

Ile Leu Asp Leu Phe Pro Tyr Leu Leu Arg Thr Val Leu Leu Lys
 50 55 60

Ala Ala Thr
 65

<210> 5618

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5618

Ser Cys Gln Val Ser Pro Ala Gly Arg Lys His Cys Xaa Pro Ser Ala
 1 5 10 15

4949

Gly Ser Ser Leu Glu Ser Gln Xaa Gly Lys Arg Ser Trp Pro Leu Pro
 20 25 30

Pro Ala Asp Arg Ser Ser Ala Ser Met Arg Phe Val Val Val Thr Phe
 35 40 45

Ser Val Thr Ile Lys Gly Asp Phe Phe Leu Asn Ile Lys Leu Phe Phe
 50 55 60

Glu Gln Gly Met Asn Met Ser Phe Cys Asn Val Thr Glu Val Glu Phe
 65 70 75 80

Lys

<210> 5619

<211> 48

<212> PRT

<213> Homo sapiens

<400> 5619

Ala Leu Leu Val His Glu Asp Lys Leu Pro Glu Gly Phe Gly Cys Met
 1 5 10 15

Leu His Ser Val Thr Ser Ser Tyr Leu Lys Ile Ser Val Leu Tyr Leu
 20 25 30

Ala Leu Tyr Leu Lys Val Asn Thr Asn Leu Thr Tyr Leu Lys Ile Phe
 35 40 45

<210> 5620

<211> 107

<212> PRT

<213> Homo sapiens

<400> 5620

Cys Leu Ser Pro Gly Thr Trp Ala Asp Leu Val Pro Gly Glu Leu Ser
 1 5 10 15

Pro Leu Leu Ala Lys Glu Leu Leu Ser Ser Gln Thr Leu Leu Leu Arg
 20 25 30

Cys Pro Pro Cys Met Val Phe Glu Val Phe Glu Val Phe Leu Glu Phe
 35 40 45

4950

Thr Cys Trp Arg Leu Gln Leu Thr Glu Arg Pro Gly Leu Asp Cys Ala
 50 55 60
 Ser Cys Ser Ser Arg Thr Lys Asp Ile Ser Trp Lys Cys Met Arg Pro
 65 70 75 80
 Arg Ile Cys Asp Arg Asn Gly Ser Ser His Val Arg Tyr Ala Pro Trp
 85 90 95
 Lys Asp Leu Glu Ile Arg Asn Leu Ser Glu His
 100 105

<210> 5621
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 5621
 Phe Tyr Val Arg Tyr Tyr Arg Tyr Phe Glu Met Val Thr Asp Ser Phe
 1 5 10 15
 Glu Ile Leu Ser Ser Leu Glu Cys Asp Ala Phe Asn Ile Ala Ser Gly
 20 25 30
 Phe Arg Trp Arg Asn Thr Met Leu Leu Ser Leu Lys Ile Asn Ser Ile
 35 40 45
 Ser Pro Ile Val
 50

<210> 5622
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 5622
 Ser Ser Cys Met Asn Gln Gly Ser His Ser Gly Phe Gln Gly Leu Asp
 1 5 10 15
 Phe Leu Val Cys Lys Arg Asp Phe Thr Met His Leu Ala Thr Ser Pro
 20 25 30

4951

Ser Ser Leu Gly Asn Xaa Lys Thr Lys Cys Arg Gln
 35 40

<210> 5623

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5623

Gln Gly Asn Pro Lys Leu Gln Lys Leu Lys Gly Gly Glu Glu Gly Pro
 1 5 10 15

Val Leu Met Ala Glu Ala Val Lys Lys Val Asn Arg Gly Asn Gly Lys
 20 25 30

Thr Ser Ser Arg Ile Leu Leu Leu Thr Lys Gly His Val Ile Leu Thr
 35 40 45

Asp Thr Lys Lys Ser Gln Ala Lys Ile Val Ile Gly Leu Xaa Asn Val
 50 55 60

Ala Gly Val Ser Val Thr Ser Leu Lys Asp Gly Leu Phe Ser Leu His
 65 70 75 80

Leu Ser Xaa Met Ser Ser Val Gly Ser Lys Gly Asp Phe Leu Leu Val
 85 90 95

Lys Arg Ala Cys Asp
 100

<210> 5624

<211> 73

<212> PRT

<213> Homo sapiens

<400> 5624

4952

Asn Arg Ser Val Gln Ser Tyr Phe Phe Leu Thr Leu Asn Phe Pro Ser
 1 5 10 15
 Arg Glu Tyr Thr Ile Trp Leu Arg Gly Arg Gly Ser Pro Glu Glu Arg
 20 25 30
 Gly Phe Ala Leu Arg Gly Arg Ala Ser Leu Asp Phe Ala Ala Ser Asn
 35 40 45
 Phe Ser Arg Gly Val Glu Gly Gly Ala Leu Gly Gly Pro His Ser Leu
 50 55 60
 Ser Gly Val Pro Ala Arg Val Ser Phe
 65 70

<210> 5625

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5625

Ser Cys Glu Asp Gly Lys Val Glu Gln Glu Ala Leu Ser Ala Phe Leu
 1 5 10 15
 His Asp Val Asn Glu Glu Ile Gln Cys Gln Ile Glu Val Asp Gly Thr
 20 25 30
 Pro Arg Gly Arg Gly Ala Gly Val Gly Ser Asp Val Pro Ser Pro Pro
 35 40 45
 Ser Pro Gly Pro Thr Asp Cys Gly His Glu Xaa Ala Gly Trp Cys Tyr
 50 55 60
 Asp Ser Arg Leu Gln His Arg Ala Leu Pro Ser Ser Pro Gln Trp Asp
 65 70 75 80
 Ile Lys Thr Thr Leu Gly Pro Phe Val Gln Gly Thr Thr Ser Ser Ile
 85 90 95
 Asp Gly Glu Asn Lys Leu Ser Arg Ala Thr Thr Gly Trp Arg Glu Ala
 100 105 110
 Gly Thr Ile Val Phe Leu Arg Ser Val Thr Ala Asp Pro Thr Asp His
 115 120 125

4954

<212> PRT

<213> Homo sapiens

<400> 5628

Asp Ser Val Leu Ser Leu Ile Ser His Asn Gln Leu Phe Leu Leu Val

1

5

10

15

Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg Pro Pro

20

25

30

Pro Arg Trp Ser Ser Ser Phe

35

<210> 5629

<211> 26

<212> PRT

<213> Homo sapiens

<400> 5629

Trp His Met Pro Val Ile Pro Ala Leu Trp Glu Ser Glu Ala Gly Gly

1

5

10

15

Ser Leu Glu Ser Arg Ser Leu Arg Leu Pro

20

25

<210> 5630

<211> 87

<212> PRT

<213> Homo sapiens

<400> 5630

Ile Ala Asn Ser Lys Gly Cys Thr Ser Val Ile Ile Asn Lys Asn Leu

1

5

10

15

Ala Asn Ser Cys Gly Thr Gly Tyr Ser His Leu Ile Cys Leu Val Pro

20

25

30

Lys Ile Ala Cys Pro Phe Pro Asn Ser Ser Gln Leu Asp Cys Ala Thr

35

40

45

Lys Thr Asp Lys Tyr Leu Leu Gly Asn His Asn His Gly Asp Leu Leu

50

55

60

Pro Gln Leu Gly Pro Trp Tyr Ile Phe Val Cys Ile Leu Trp Cys Tyr

65

70

75

80

Met Gln Ile Asn Thr Phe Asn

4955

85

<210> 5631

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5631

Gln	Glu	Thr	Ser	Lys	Met	Glu	Thr	Leu	Ser	Phe	Pro	Arg	Tyr	Asn	Val
1				5				10						15	

Ala	Glu	Ile	Val	Ile	His	Ile	Arg	Asn	Lys	Ile	Leu	Thr	Gly	Ala	Asp
			20					25					30		

Gly	Lys	Asn	Leu	Thr	Lys	Asn	Asp	Leu	Tyr	Pro	Asn	Pro	Lys	Pro	Glu
		35					40					45			

Val	Leu	His	Met	Ile	Tyr	Met	Arg	Ala	Leu	Gln	Ile	Val	Tyr	Gly	Ile
	50					55					60				

Arg	Leu	Glu	His	Phe	Tyr	Met	Met	Pro	Val	Asn	Ser	Glu	Val	Met	Tyr
65					70					75					80

Pro	His	Leu	Met	Gly	Arg	Xaa	Leu	Thr	Ile	Gln	Ala	Ile
				85					90			

<210> 5632

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

4956

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5632

Thr	Val	Leu	Gly	His	Val	Leu	Tyr	Leu	Cys	Leu	Ala	Pro	His	Leu	Phe
1				5					10					15	

Leu	Asp	Pro	Leu	Val	Ile	Cys	Met	Thr	Thr	Phe	Lys	Asn	Phe	Asn	Phe
			20					25					30		

Val	Cys	Cys	Leu	Arg	His	Cys	Cys	Glu	His	Pro	His	Gly	Val	Arg	His
		35					40					45			

Pro	Pro	Thr	Leu	Ala	Pro	Ala	Ser	Thr	Leu	Leu	His	Leu	Thr	Ser	Val
		50				55					60				

Tyr	Pro	Ala	Ala	Leu	Leu	Leu	Leu	Val	Cys	Val	Asn	Glu	Asp	Asn	
65					70				75					80	

Leu	Val	Ala	Val	Thr	Tyr	Lys	Cys	Phe	Ile	Trp	His	His	Pro	Ser	Val
				85					90					95	

Xaa	Xaa	Xaa	Trp	Trp	Xaa	Glu	Xaa	Thr	Leu	Ala	Pro	Thr	Pro	Xaa	His
			100					105					110		

Thr Ser

<210> 5633

<211> 210

<212> PRT

<213> Homo sapiens

4957

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (159)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (179)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (182)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (183)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (187)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (190)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5633
Lys Glu Asn Lys Val Val Leu Ile Val Gly Glu Thr Gly Ser Gly Lys
1 5 10 15
Thr Thr Gln Ile Pro Gln Phe Leu Leu Asp Asp Cys Phe Lys Asn Gly
20 25 30
Ile Pro Cys Arg Ile Phe Cys Thr Gln Pro Arg Arg Leu Ala Ala Ile
35 40 45
Ala Val Ala Glu Arg Val Ala Ala Glu Arg Arg Glu Arg Ile Gly Gln

4958

50		55		60
Thr Ile Gly Tyr Gln Ile Arg Leu Glu Ser Arg Val Ser Pro Lys Thr				
65		70		75
				80
Leu Leu Thr Phe Cys Thr Asn Gly Val Leu Leu Arg Thr Leu Met Ala				
	85		90	95
Gly Asp Ser Thr Leu Ser Thr Val Thr His Val Ile Val Asp Glu Val				
	100		105	110
His Glu Arg Asp Arg Phe Ser Asp Phe Leu Leu Thr Lys Leu Arg Asp				
	115		120	125
Leu Leu Gln Lys His Pro Thr Leu Lys Leu Ile Leu Ser Ser Ala Ala				
	130		135	140
Xaa Asp Val Asn Leu Phe Ile Arg Tyr Phe Gly Ser Cys Pro Xaa Ile				
145		150		155
				160
Tyr Ile Gln Gly Xaa Pro Phe Glu Val Lys Glu Met Phe Leu Glu Asp				
	165		170	175
Ile Leu Xaa Thr Thr Xaa Xaa Thr Asn Lys Xaa Met Leu Xaa Tyr Lys				
	180		185	190
Lys Glu Lys Gln Gln Asp Glu Lys Thr Leu Ser Lys Lys Lys Lys Lys				
	195		200	205
Lys Lys				
210				

<210> 5634

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

4959

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5634

Xaa	Val	Arg	Tyr	Ile	Ala	Xaa	Xaa	Ser	Ala	Ala	Xaa	Arg	Lys	Arg	Xaa
1					5					10					15

Val	Cys	Ser	Glu	Trp	Lys	Phe	Ala	Ala	Cys	Val	Val	Asp	Arg	Leu	Cys
			20					25						30	

Leu	Met	Ala	Phe	Ser	Val	Phe	Thr	Ile	Ile	Cys	Thr	Ile	Gly	Ile	Leu
		35					40						45		

Met	Ser	Ala	Pro	Asn	Phe	Val	Glu	Ala	Val	Ser	Lys	Asp	Phe	Ala
		50					55					60		

<210> 5635

<211> 88

<212> PRT

<213> Homo sapiens

<400> 5635

Pro	Ser	Thr	Leu	Asp	Cys	Ser	Leu	Thr	Glu	Cys	Leu	Ser	Leu	Ser	Ile
1					5					10					15

Leu	Cys	Pro	Phe	Tyr	Ser	Phe	Lys	Lys	Thr	Val	Ala	Val	Thr	Lys	Glu
			20						25					30	

Leu	Phe	Leu	Ile	Pro	Arg	Leu	Cys	Gln	Thr	Lys	Val	Ser	Ser	Leu	Arg
		35					40							45	

Leu	Leu	Asp	Phe	Asp	Ile	Lys	Tyr	Val	Phe	Ser	Ser	Ser	Asn	Phe	Ile
		50					55						60		

Tyr	Val	Tyr	Ser	Ser	Ser	Asp	Pro	Glu	Ile	Tyr	Phe	Leu	Leu	Ile	Ile
	65					70				75					80

Leu	Thr	Trp	Ile	Pro	Gln	Ala	Ile
					85		

4960

<210> 5636

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5636

Pro Gly Xaa Pro Gly Arg Pro Thr Arg Pro Ala Arg Cys Gln Gln Pro
 1 5 10 15

Gly Ala Arg Ser Gln Glu Gln Ser Ala Ser Met Asn Leu Gly Val Ser
 20 25 30

Met Leu Arg Ile Leu Phe Leu Leu Asp Val Gly Gly Ala Gln Val Leu
 35 40 45

Ala Thr Gly Lys Thr Pro Gly Ala Glu Ile Asp Phe Lys Tyr Ala Leu
 50 55 60

Ile Gly Thr Ala Val Gly Val Ala Ile Ser Ala Gly Phe Leu Ala Leu
 65 70 75 80

Lys Ile Cys Met Ile Arg Arg His Leu Phe Asp Asp Asp Ser Ser Asp
 85 90 95

Leu Lys Ser Thr Pro Gly Gly Leu Ser Asp Thr Ile Pro Leu Lys Lys
 100 105 110

Arg Ala Pro Arg Arg Asn His Asn Phe Ser Lys Arg Asp Ala Gln Val
 115 120 125

Ile Glu Leu
 130

<210> 5637

<211> 166

<212> PRT

<213> Homo sapiens

<400> 5637

Pro Thr Arg Pro His Ser Ala Arg Leu Thr Met Cys His Ser Arg Ser
 1 5 10 15

4962

Ile Arg Ile His Ile His Ile His Thr Leu Ile Leu Thr Arg Thr His
 65 70 75 80
 Thr Leu Thr Arg Thr Arg Ile Arg Thr Lys Tyr Arg Thr His Thr His
 85 90 95
 Ser Arg Thr Arg Ser Arg Thr Gly Thr Gly Phe Ser Ala Ala Pro Pro
 100 105 110
 Thr Leu Pro Glu Arg Gly Ser Ser Arg Ala Arg Gln Gly Phe Glu Asp
 115 120 125
 Leu Arg Lys Trp Asp Glu His Ile Ser Ile Val Phe Thr Trp Ile Lys
 130 135 140
 Ser Lys Thr Val Ser Pro Pro Arg Thr Arg Ser Ser Ser Leu Asp Ile
 145 150 155 160
 Thr Leu Leu Lys Thr Cys Asp Ser Ser
 165

<210> 5639

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5639

Lys Thr Phe Ser Ile Arg Lys Arg Gly Lys Phe Xaa Pro Ser Lys Phe
 1 5 10 15
 Asp Tyr Ser Ser Lys Leu Ser Leu Leu Met Gln Ser Ser Phe Val Thr
 20 25 30
 Leu Thr Leu Gly His Cys Tyr Gln Thr Ser Trp Glu Ile Ser Ser Ser
 35 40 45
 Arg Arg Leu Asn Thr Cys Arg Lys Gln Met Phe Phe Gly Pro
 50 55 60

<210> 5640

<211> 337

<212> PRT

4963

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5640

Ala	Pro	Ala	Cys	Gly	Ala	Xaa	Ala	Trp	Lys	Phe	Leu	Leu	Gly	Tyr	Leu
1				5					10					15	

Ser	Trp	Glu	Gly	Thr	Ala	Glu	Glu	His	Lys	Ala	His	Ile	Arg	Lys	Lys
			20					25					30		

Thr	Asp	Glu	Tyr	Phe	Arg	Met	Lys	Leu	Gln	Trp	Lys	Ser	Val	Ser	Pro
		35					40					45			

Glu	Gln	Glu	Arg	Arg	Asn	Ser	Leu	Leu	His	Gly	Tyr	Arg	Ser	Leu	Ile
	50					55					60				

Glu	Arg	Asp	Val	Ser	Arg	Thr	Asp	Arg	Thr	Asn	Lys	Phe	Tyr	Glu	Gly
65					70					75					80

Pro	Glu	Asn	Pro	Gly	Leu	Gly	Leu	Leu	Asn	Asp	Ile	Leu	Leu	Thr	Tyr
				85					90					95	

Cys	Met	Tyr	His	Phe	Asp	Leu	Gly	Tyr	Val	Gln	Gly	Met	Ser	Asp	Leu
			100					105					110		

Leu	Ser	Pro	Ile	Leu	Tyr	Val	Ile	Gln	Asn	Glu	Val	Asp	Ala	Phe	Trp
		115					120					125			

Cys	Phe	Cys	Gly	Phe	Met	Glu	Leu	Val	Gln	Gly	Asn	Phe	Glu	Glu	Ser
	130					135					140				

Gln	Glu	Thr	Met	Lys	Arg	Gln	Leu	Gly	Arg	Leu	Leu	Leu	Leu	Leu	Arg
145					150				155						160

Val	Leu	Asp	Pro	Leu	Leu	Cys	Asp	Phe	Leu	Asp	Ser	Gln	Asp	Ser	Gly
				165					170					175	

Ser	Leu	Cys	Phe	Cys	Phe	Arg	Trp	Leu	Leu	Ile	Trp	Phe	Lys	Arg	Glu
			180					185					190		

Phe	Pro	Phe	Pro	Asp	Val	Leu	Arg	Leu	Trp	Glu	Val	Leu	Trp	Thr	Gly
		195					200					205			

Leu	Pro	Gly	Pro	Asn	Leu	His	Leu	Leu	Val	Ala	Cys	Ala	Ile	Leu	Asp
	210					215					220				

Met	Glu	Arg	Asp	Thr	Leu	Met	Leu	Ser	Gly	Phe	Gly	Ser	Asn	Glu	Ile
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

4964

225 230 235 240
 Leu Lys His Ile Asn Glu Leu Thr Met Lys Leu Ser Val Glu Asp Val
 245 250 255
 Leu Thr Arg Ala Glu Ala Leu His Arg Gln Leu Thr Ala Cys Pro Glu
 260 265 270
 Leu Pro His Asn Val Gln Glu Ile Leu Gly Leu Ala Pro Pro Ala Glu
 275 280 285
 Pro His Ser Pro Ser Pro Thr Ala Ser Pro Leu Pro Leu Ser Pro Thr
 290 295 300
 Arg Ala Pro Pro Thr Pro Pro Pro Ser Thr Asp Thr Ala Pro Gln Pro
 305 310 315 320
 Asp Ser Ser Leu Glu Ile Leu Pro Glu Glu Glu Asp Glu Gly Ala Asp
 325 330 335

 Ser

<210> 5641

<211> 54

<212> PRT

<213> Homo sapiens

<400> 5641

Met Gln Leu Leu Leu Leu Thr Cys Leu Leu Gln Leu Ile Met Val Thr
 1 5 10 15

 Asn Lys Ala Ile Ala Ser Gln Ile Ser Gln Ile Lys His Phe Phe His
 20 25 30

 Cys Ile Leu Val Val Val Cys Pro Asn Ser Ser Met Tyr Leu Ile Met
 35 40 45

 Ser Gly Ser Ile Leu His
 50

<210> 5642

<211> 65

<212> PRT

<213> Homo sapiens

<220>

4965

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5642

Cys	Leu	Trp	Leu	Phe	Lys	Ser	Gln	Ser	Leu	Val	Asn	His	Ile	Thr	Ile
1				5					10					15	

Arg	Pro	Trp	Phe	Ser	Ile	Gly	Gly	Asp	Phe	Pro	Arg	Gly	Thr	Phe	Gly
			20					25					30		

His	Val	Leu	Glu	Ala	Phe	Trp	Leu	Ser	His	Trp	Xaa	Pro	Gly	Val	Xaa
		35					40					45			

Leu	Pro	Xaa	Thr	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Arg	Gly	Ala	Phe
	50					55					60				

Leu

65

<210> 5643

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5643

Thr	Asn	Phe	Phe	Gln	Leu	Val	Lys	His	His	Thr	Ser	Ser	Ala	Lys	Gly
1				5						10				15	

Ile	Leu	Leu	Ala	Glu	Pro	Ser	Trp	Met	Ile	Ser	Val	Thr	His	Ala	Xaa
			20					25					30		

Thr	Cys	Ser	Leu	Glu	Gly	Ser	Gly	Glu	Trp	Ile	His	Ala	Ile	Cys	Leu
			35					40					45		

4966

Glu Asp Thr Arg Met Ser Gln Pro Pro Asp Leu Val Ile Tyr Lys Leu
 50 55 60

Leu Arg Ile Thr Leu Val Tyr Phe Trp Ser Glu Asn Gly Lys Ala Gln
 65 70 75 80

Ile Met Lys

<210> 5644

<211> 407

<212> PRT

<213> Homo sapiens

<400> 5644

Ala Ala Cys Gln Pro Arg Cys Cys Cys Ser Ser Cys Cys Gly Thr Ala
 1 5 10 15

Asp Arg Ala Ala Ala Pro Leu Ser Pro Leu Gln Ala Pro Ile Trp Ala
 20 25 30

Pro Ala Thr Ser Met Asp Ala Arg Arg Val Pro Gln Lys Asp Leu Arg
 35 40 45

Val Lys Lys Asn Leu Lys Lys Phe Arg Tyr Val Lys Leu Ile Ser Met
 50 55 60

Glu Thr Ser Ser Ser Ser Asp Asp Ser Cys Asp Ser Phe Ala Ser Asp
 65 70 75 80

Asn Phe Ala Asn Thr Arg Leu Gln Ser Val Arg Glu Gly Cys Arg Thr
 85 90 95

Arg Ser Gln Cys Arg His Ser Gly Pro Leu Arg Val Ala Met Lys Phe
 100 105 110

Pro Ala Arg Ser Thr Arg Gly Ala Thr Asn Lys Lys Ala Glu Ser Arg
 115 120 125

Gln Pro Ser Glu Asn Ser Val Thr Asp Ser Asn Ser Asp Ser Glu Asp
 130 135 140

Glu Ser Gly Met Asn Phe Leu Glu Lys Arg Ala Leu Asn Ile Lys Gln
 145 150 155 160

Asn Lys Ala Met Leu Ala Lys Leu Met Ser Glu Leu Glu Ser Phe Pro
 165 170 175

4967

Gly Ser Phe Arg Gly Arg His Pro Leu Pro Gly Ser Asp Ser Gln Ser
 180 185 190
 Arg Arg Pro Arg Arg Arg Thr Phe Pro Gly Val Ala Ser Arg Arg Asn
 195 200 205
 Pro Glu Arg Arg Ala Arg Pro Leu Thr Arg Ser Arg Ser Arg Ile Leu
 210 215 220
 Gly Ser Leu Asp Ala Leu Pro Met Glu Glu Glu Glu Glu Glu Asp Lys
 225 230 235 240
 Tyr Met Leu Val Arg Lys Arg Lys Thr Val Asp Gly Tyr Met Asn Glu
 245 250 255
 Asp Asp Leu Pro Arg Ser Arg Arg Ser Arg Ser Ser Val Thr Leu Pro
 260 265 270
 His Ile Ile Arg Pro Val Glu Glu Ile Thr Glu Glu Glu Leu Glu Asn
 275 280 285
 Val Cys Ser Asn Ser Arg Glu Lys Ile Tyr Asn Arg Ser Leu Gly Ser
 290 295 300
 Thr Cys His Gln Cys Arg Gln Lys Thr Ile Asp Thr Lys Thr Asn Cys
 305 310 315 320
 Arg Asn Pro Asp Cys Trp Gly Val Arg Gly Gln Phe Cys Gly Pro Cys
 325 330 335
 Leu Arg Asn Arg Tyr Gly Glu Glu Val Arg Asp Ala Leu Leu Asp Pro
 340 345 350
 Asn Trp His Cys Pro Pro Cys Arg Gly Ile Cys Asn Cys Ser Phe Cys
 355 360 365
 Arg Gln Arg Asp Gly Arg Cys Ala Thr Gly Val Leu Val Tyr Leu Ala
 370 375 380
 Lys Tyr His Gly Phe Gly Asn Val His Ala Tyr Leu Lys Ser Leu Lys
 385 390 395 400
 Gln Glu Phe Glu Met Gln Ala
 405

<210> 5645

<211> 44

<212> PRT

<213> Homo sapiens

4968

<400> 5645

Arg Glu Ala Ser Gly Ser Leu Trp Glu Gln Ser Tyr Lys Leu Ile Glu
 1 5 10 15

Ile His Thr Leu Pro Lys Gln Leu Gly Pro Thr Thr Val Pro His Val
 20 25 30

Ser Met Gln Asn Tyr Ile Leu Pro Arg Ile Asn Ser
 35 40

<210> 5646

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5646

Lys Met Xaa Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
 1 5 10 15

Ala Val Xaa Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
 20 25 30

Ser Ala Pro Leu Cys Met Tyr Ser Ser Leu Leu Pro Ser Ser Gln Leu
 35 40 45

Ser Val Arg Tyr Val Phe Leu Ser
 50 55

<210> 5647

<211> 35

<212> PRT

<213> Homo sapiens

<400> 5647

Ser Val Cys Val His Thr Phe Tyr Phe Ser Val Ser Trp Val Tyr Val
 1 5 10 15

4969

Trp Leu Lys Thr Ile Leu Glu Ser Lys Ser Ile Leu Ile Tyr Lys Lys
 20 25 30

Thr Phe Trp
 35

<210> 5648

<211> 106

<212> PRT

<213> Homo sapiens

<400> 5648

Gln Cys Pro Met Gly Pro Leu Leu Leu Pro Ala Pro Ser Leu Leu Leu
 1 5 10 15

Leu Met His Ser Pro Leu Pro Ala Ala Pro Gly Phe Pro Ala Phe Leu
 20 25 30

Leu Thr Pro Ser Asn Ser Leu Gly Thr Pro Ala Ala Thr Thr Leu Trp
 35 40 45

Val Gly His Trp Asp Pro Leu Ala Gln Ser Trp Leu Leu Leu Thr Pro
 50 55 60

Ser Leu Asp Ala Cys Pro Gly Thr Pro Ser Pro Leu Pro Leu Pro Cys
 65 70 75 80

Ser Phe Asn Arg Val Asn His Val Tyr Cys Thr Gly Ala Val Val Ile
 85 90 95

Ala Glu Thr Ala Gly Trp Arg Arg Ser Arg
 100 105

<210> 5649

<211> 85

<212> PRT

<213> Homo sapiens

<400> 5649

Arg Asn Pro Lys Asn Gly Asn Asn Pro Ser His Gly Cys His Thr Leu
 1 5 10 15

Leu Thr Cys Ser Ile Pro Thr Gln Glu Leu Pro Ala Tyr Gly Ala Ser
 20 25 30

His Trp Ser Thr Ser Tyr Pro Gln His Leu Ser Cys His Cys Gln Gly

4970

35 40 45
 Thr Tyr Leu Trp Pro Pro Ala Ile Leu Tyr Arg Ala Ile Val Leu Tyr
 50 55 60
 Ile Leu His Ile Arg Lys Leu Arg Leu Lys Val Asn Leu Ile Cys Leu
 65 70 75 80
 Cys Gln Ser Gln Asp
 85

<210> 5650

<211> 269

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (177)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5650

Gly Pro Tyr Xaa Tyr Phe Leu Pro Gly Glu Cys Leu Asp Cys Ser Pro
 1 5 10 15

Leu Leu Val Leu Gln Gly Val Thr His Ala Ala Ile Trp Ala Ala Cys
 20 25 30

Ile Ser Tyr Leu Ser Ala Ala Val Pro Pro Glu Leu Arg Thr Ser Ala
 35 40 45

Gln Gly Ile Leu Gln Gly Leu His Leu Gly Leu Gly Arg Gly Cys Gly
 50 55 60

Ala Met Ile Gly Gly Val Leu Val Asn Tyr Phe Gly Ala Ala Ala Thr
 65 70 75 80

Phe Arg Gly Ile Gly Met Ala Cys Leu Val Ile Leu Leu Leu Phe Ala
 85 90 95

Leu Ile Gln Trp Leu Ala Val Pro Asp Glu Glu Glu Asp Lys Thr Met
 100 105 110

Leu Ala Glu Arg Ile Pro Val Pro Ser Ser Pro Val Pro Ile Ala Thr

4971

115 120 125
 Ile Asp Leu Val Gln Gln Gln Thr Glu Asp Val Met Pro Arg Ile Glu
 130 135 140
 Pro Arg Leu Pro Pro Lys Lys Thr Lys His Gln Glu Glu Gln Glu Asp
 145 150 155 160
 Val Asn Lys Pro Ala Trp Gly Val Ser Ser Ser Pro Trp Val Thr Phe
 165 170 175
 Xaa Tyr Ala Leu Tyr Gln Ile Lys Glu Met Met Gln Leu Thr Arg Asp
 180 185 190
 Asn Arg Ala Ser Glu Ile Gln Pro Leu Gln Gly Thr Asn Glu Asn Arg
 195 200 205
 Glu Asn Ser Pro Ala Gly Arg Ala Gln Pro Val Pro Cys Glu Thr His
 210 215 220
 Ser Asp Pro Ser Arg Asn Gln Pro Ser Pro Asp Ala Ala Ala Ser Gln
 225 230 235 240
 Thr Gln Thr Ser Pro Ala His Pro Ser Val Asp Pro Cys Thr Glu Glu
 245 250 255
 Ser Glu Glu Gln Gln Ala Gln Leu Ala Ala Gly Gly His
 260 265

<210> 5651

<211> 364

<212> PRT

<213> Homo sapiens

<400> 5651

Cys Leu Arg Lys Ser Phe Glu Met Thr Val Glu Lys Val Gln Gly Ile
 1 5 10 15
 Ser Arg Leu Glu Gln Leu Cys Glu Glu Phe Ser Glu Glu Glu Arg Val
 20 25 30
 Arg Glu Leu Lys Gln Glu Lys Lys Arg Gln Lys Arg Lys Asn Arg Arg
 35 40 45
 Lys Asn Lys Cys Val Cys Asp Ile Pro Thr Pro Leu Gln Thr Ala Asp
 50 55 60
 Glu Lys Glu Val Ser Gln Glu Lys Glu Thr Asp Phe Ile Glu Asn Ser
 65 70 75 80

4972

Ser	Cys	Lys	Ala	Cys	Gly	Ser	Thr	Glu	Asp	Gly	Asn	Thr	Cys	Val	Glu
85								90				95			
Val	Ile	Val	Thr	Asn	Glu	Asn	Thr	Ser	Cys	Thr	Cys	Pro	Ser	Ser	Gly
100								105				110			
Asn	Leu	Leu	Gly	Ser	Pro	Lys	Ile	Lys	Lys	Gly	Leu	Ser	Pro	His	Cys
115								120				125			
Asn	Gly	Ser	Asp	Cys	Gly	Tyr	Ser	Ser	Ser	Met	Glu	Gly	Ser	Glu	Thr
130								135				140			
Gly	Ser	Arg	Glu	Gly	Ser	Asp	Val	Ala	Cys	Thr	Glu	Gly	Ile	Cys	Asn
145								150				155			
His	Asp	Glu	His	Gly	Asp	Asp	Ser	Cys	Val	His	His	Cys	Glu	Asp	Lys
165								170				175			
Glu	Asp	Asp	Gly	Asp	Ser	Cys	Val	Glu	Cys	Trp	Ala	Asn	Ser	Glu	Glu
180								185				190			
Asn	Asp	Thr	Lys	Gly	Lys	Asn	Lys	Lys	Lys	Lys	Lys	Lys	Ser	Lys	Ile
195								200				205			
Leu	Lys	Cys	Asp	Glu	His	Ile	Gln	Lys	Leu	Gly	Ser	Cys	Ile	Thr	Asp
210								215				220			
Pro	Gly	Asn	Arg	Glu	Thr	Ser	Gly	Asn	Thr	Met	His	Thr	Val	Phe	His
225								230				235			
Arg	Asp	Lys	Thr	Lys	Asp	Thr	His	Pro	Glu	Ser	Cys	Cys	Ser	Ser	Glu
245								250				255			
Lys	Gly	Gly	Gln	Pro	Leu	Pro	Trp	Phe	Glu	His	Arg	Lys	Asn	Val	Pro
260								265				270			
Gln	Phe	Ala	Glu	Pro	Thr	Glu	Thr	Leu	Phe	Gly	Pro	Asp	Ser	Gly	Lys
275								280				285			
Gly	Ala	Lys	Ser	Leu	Val	Glu	Leu	Leu	Asp	Glu	Ser	Glu	Cys	Thr	Ser
290								295				300			
Asp	Glu	Glu	Ile	Phe	Ile	Ser	Gln	Asp	Glu	Ile	Gln	Ser	Phe	Met	Ala
305								310				315			
Asn	Asn	Gln	Ser	Phe	Tyr	Ser	Asn	Arg	Glu	Gln	Tyr	Arg	Gln	His	Leu
325								330				335			
Lys	Glu	Lys	Phe	Asn	Lys	Tyr	Cys	Arg	Leu	Asn	Asp	His	Lys	Arg	Pro
340								345				350			

4973

Ile Cys Ser Gly Trp Leu Thr Thr Ala Gly Ala Asn
355 360

<210> 5652

<211> 90

<212> PRT

<213> Homo sapiens

<400> 5652

Ala Thr Leu Trp Asp Gly His Ala Ala Val Trp His Gly Tyr Glu Val
1 5 10 15

His Gly Met Glu Lys Ile Pro Glu Asp Gly Pro Ala Leu Ile Ile Phe
20 25 30

Tyr His Gly Ala Ile Pro Ile Asp Phe Tyr Tyr Phe Met Ala Lys Ile
35 40 45

Phe Ile His Lys Gly Arg Thr Cys Arg Val Val Ala Asp His Phe Val
50 55 60

Phe Lys Ile Gln Gly Leu Val Tyr Tyr Trp Met Cys Phe Val Leu Tyr
65 70 75 80

Met Asp Gln Glu Lys Asn Val Leu Lys Phe
85 90

<210> 5653

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5653

His Ser Xaa Met Trp Leu Val His Leu Thr Arg Glu Glu Trp Gly Tyr
1 5 10 15

Leu Asp Pro Val Gln Arg Asp Leu Tyr Arg Glu Val Met Leu Glu Asn
20 25 30

Tyr Gly Asn Val Val Ser Leu Gly Ile Leu Leu Arg Leu Pro Thr Thr
35 40 45

4974

Arg Ile His Ser Val Asn Ser Cys Pro Ala Leu Ser His Thr Gln Ala
 50 55 60

Ser Ala Phe Ser Gly Glu Thr Leu Ala Val Leu Thr Ala Gly Ile Ser
 65 70 75 80

Lys Arg Trp Pro Lys Tyr Arg Leu Pro Ile Asp Ile Ala Arg Pro Cys
 85 90 95

Ser Glu Thr Pro Phe Pro Arg Leu
 100

<210> 5654

<211> 49

<212> PRT

<213> Homo sapiens

<400> 5654

Pro Leu Lys Thr Phe Pro Val Cys Leu Val Ile Ala Lys Pro Arg Lys
 1 5 10 15

Ile Ser Phe Leu Ser Ser Tyr Arg Glu Leu Ala Met Lys Leu Lys Phe
 20 25 30

Asn Cys Val Ser Arg Ser Leu Ile Phe Leu Gln Ile Ile Asn Tyr Val
 35 40 45

Leu

<210> 5655

<211> 40

<212> PRT

<213> Homo sapiens

<400> 5655

Lys Leu Asp Phe Lys Ile Thr Asn Glu Arg Asn Leu Ile Leu Phe Cys
 1 5 10 15

Asp Arg Ser Gln Val Leu Gln Trp Phe Ala Ile Gln Asn Leu Ile Ile
 20 25 30

Val Lys Pro Gln Phe Lys Arg Leu
 35 40

4975

<210> 5656

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5656

Gly Tyr Leu Cys Leu Leu Cys Ile Leu Val Met Ala Arg Ser Arg Leu
 1 5 10 15

Ser Thr Thr Gly Arg His Pro Ala Val Val Ser Leu Leu Glu Leu Asn
 20 25 30

Val Trp Leu Ser Lys Ile Leu Ser Ile Glu Ser Leu Ser Leu Lys Xaa
 35 40 45

Leu Leu Gln Met Asn Ala Gln His Glu Ile Phe Lys Ile Val Ser Tyr
 50 55 60

Thr Leu Gly Ser Asn Lys Gln Lys Ile Leu
 65 70

<210> 5657

<211> 121

<212> PRT

<213> Homo sapiens

<400> 5657

Phe Ser Val Thr Gly Gln Ala Pro Val Glu Ile Ser Phe Val Leu Leu
 1 5 10 15

Trp Ala Gln Arg Trp Trp Trp Phe Gly Ser Ser Glu Asp Cys Leu Gly
 20 25 30

Arg Phe Ser Gly His Gly Ala Leu Cys Trp Pro Gly Trp Gly Trp Pro
 35 40 45

Arg Arg Cys Pro Phe Pro Gly Ala Leu Trp Trp Leu Gln Lys Thr Ser
 50 55 60

Phe Val Glu Asn Cys Phe Ser Ala Trp Asn Gln Thr Ser Ser Arg Trp
 65 70 75 80

Phe Gly Pro Cys Pro Cys Val Gly His Tyr His Thr Lys Arg Pro Ile

4976

	85		90		95
Lys Ile Lys Lys Ile Lys Lys Lys Lys Thr Asn Tyr Trp Arg Trp Trp					
	100		105		110
Pro Met Met His Leu Leu Phe Ala Gly					
	115		120		

<210> 5658

<211> 25

<212> PRT

<213> Homo sapiens

<400> 5658

Trp Thr Pro Val Ile Pro Gly Thr Arg Glu Ala Glu Ala Gly Glu Ser
1 5 10 15

Leu Glu Pro Gly Arg Gln Arg Leu Gln
20 25

<210> 5659

<211> 52

<212> PRT

<213> Homo sapiens

<400> 5659

Ser Ile Asp Thr Phe Tyr Ile Gln Phe Tyr Lys Tyr Lys Tyr Tyr Asn
1 5 10 15

Phe Ile Leu Met Val Pro Lys Ile His Phe Leu Arg Leu Lys Ala Cys
20 25 30

Thr Ser Met His Thr Cys Phe Trp Gly Glu Trp Gly Glu Asp Ile Leu
35 40 45

Ile Ile Ser Leu
50

<210> 5660

<211> 49

<212> PRT

<213> Homo sapiens

<400> 5660

Tyr Ile Phe Leu Ile Ser Tyr Arg Leu Tyr Arg Lys Glu Val Leu Glu

4977

1	5	10	15
Lys	Leu	Ile	Glu
Lys	Cys	Val	Ser
Lys	Gly	Tyr	Val
Phe	Gln	Met	Glu
20	25	30	
Met	Ile	Val	Arg
Ala	Arg	Gln	Leu
Asn	Tyr	Thr	Ile
Gly	Glu	Val	Cys
35	40	45	

Asn

<210> 5661

<211> 222

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (156)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (217)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (218)

4978

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5661

Gln Trp Val Ala Tyr Gly Ser Glu Pro His Thr Ser Val Pro Val Pro
1 5 10 15

Ala Gly Ser Leu Pro Asp His Ala Val His Arg Pro His Asp Arg Cys
20 25 30

Ala Arg Ser Gly Val Met Pro Pro Ala Gln Leu Thr Thr Ile Asn Gln
35 40 45

Ser Gln Leu Ser Ala Gln Leu Gly Leu Asn Leu Gly Gly Ala Ser Met
50 55 60

Pro His Thr Ser Pro Ser Pro Pro Ala Ser Lys Ser Ala Thr Pro Ser
65 70 75 80

Pro Ser Ser Ser Ile Asn Glu Glu Asp Ala Asp Glu Ala Asn Arg Ala
85 90 95

Ile Gly Glu Lys Arg Ala Ala Pro Asp Ser Gly Lys Lys Pro Lys Thr
100 105 110

Pro Lys Xaa Lys Xaa Xaa Lys Asp Pro Asn Glu Pro Gln Lys Pro Val
115 120 125

Ser Ala Tyr Ala Leu Phe Phe Arg Asp Thr Gln Ala Ala Ile Lys Gly
130 135 140

Gln Asn Pro Asn Ala Thr Phe Gly Glu Val Ser Xaa Ile Val Ala Ser
145 150 155 160

Met Trp Asp Ser Leu Gly Glu Glu Gln Lys Gln Val Tyr Lys Arg Lys
165 170 175

Thr Glu Ala Ala Lys Lys Glu Tyr Leu Lys Ala Leu Ala Ala Tyr Arg
180 185 190

Ala Xaa Leu Val Ser Lys Ala Ala Ala Glu Ser Ala Glu Ala Gln Thr
195 200 205

Ile Arg Ser Val Gln Gln Thr Leu Xaa Xaa Thr Asn Leu Thr
210 215 220

<210> 5662

<211> 48

<212> PRT

<213> Homo sapiens

4979

<400> 5662

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Arg Tyr Ile Ile Thr Lys Leu Lys Leu Cys Phe Cys Phe Ile Gln Arg
 1             5             10             15

Asn Leu Lys Ile Ile Asp Lys Lys Phe Leu Phe Arg Ala Met Ser Leu
          20             25             30

Tyr His Thr Leu Gly Asn Glu Thr Leu Ser Tyr Val Leu Ser Asp Asn
      35             40             45

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<210> 5663

<211> 94

<212> PRT

<213> Homo sapiens

<400> 5663

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Lys Leu Arg Tyr Ile Leu Pro Lys Asn Phe Phe Asn Lys Ile Ala Lys
 1             5             10             15

Asn Ile Leu Phe Arg His Phe Asn Val Pro Ile Tyr Asn Trp Ile Phe
          20             25             30

Ser Leu Asn Ser Thr Gln Ser Cys Gly Phe Tyr Phe Gln Leu Ile Phe
      35             40             45

Phe Leu Val Gly Ser Val His Gly Ile Ile Ser Leu Ser Arg Gly Leu
      50             55             60

Ser Cys Met Cys Ala Glu Phe Val Lys Glu Ser Ile Gly Arg Cys Arg
      65             70             75             80

Arg Pro Arg Phe Ala Phe Lys Val Phe Phe Arg Leu Cys Gly
          85             90

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<210> 5664

<211> 65

<212> PRT

<213> Homo sapiens

<400> 5664

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Gly Val Phe Ala Ala Met Tyr Ser Tyr Ser Ser Met Leu Thr Leu Pro
 1             5             10             15

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4980

Phe Asp Val Val Gln Asn Leu Asp Leu Ser Pro Trp Ile Ser Pro Val
 20 25 30

Val Pro Ala Ser Arg Gly Ile Phe Leu His Val Ser Gln Pro Pro Ser
 35 40 45

Cys Ser Arg Val Leu Leu Asp Leu Gly Phe Ser Cys Pro Ser Leu Leu
 50 55 60

Gly
 65

<210> 5665

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5665

Ile Ser Asn Thr Ser Ser Asp Cys Arg Pro Ser Glu Glu Ser Glu Leu
 1 5 10 15

Leu Thr Asp Thr Thr Thr Asn Ile Leu Ser Gly Thr Thr Ser Thr Val
 20 25 30

Glu Ser Asp Ile Leu Thr Gln Thr Asp Arg Glu Val Ala Leu His Glu
 35 40 45

Arg Ser Ser Ser Val Ser Thr Ile Asp Thr Ala Arg Leu Ile Gln Ala
 50 55 60

Phe Gly His Glu Arg Val Cys Leu Ser Pro Arg Arg Ile Lys Leu Tyr
 65 70 75 80

Ser Ser Ile Thr Asn Gln Gln Arg Arg Tyr Leu Glu Glu Ala Xaa Lys
 85 90 95

His Ser Lys Lys Val Leu Xaa Tyr Arg Ser Ser Pro Ser Asp Phe
 100 105 110

4981

<210> 5666

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5666

Gly	Pro	Ser	Trp	Val	Arg	Leu	Gly	Leu	Ser	Trp	Ala	Leu	Tyr	Val	Phe
1				5					10					15	

Trp	Ile	Gln	Gly	Tyr	Trp	Ala	Arg	Tyr	Val	Cys	Gly	Xaa	Ile	Pro	Ser
		20						25					30		

Leu	Pro	Gln	Pro	His	Leu	Pro	Leu	Lys	Pro	Ser	Leu	Ala	Leu	Ser	Glu
		35					40					45			

Leu	Pro	Phe	Leu	Leu	Pro	Ser	Leu	Pro	Ser	Ala	Gln	Cys	Pro	Thr	Trp
		50				55					60				

Leu	Phe	Cys	Tyr	Phe	Gly	Ser	Gly	Gly	Thr	Ser	Trp	Glu	Cys	Glu	Xaa
65					70					75					80

Pro	Tyr	Arg	Lys	Ile	Ala	Leu	Gln	Glu	Glu	Xaa	Leu	Gln	Gly	Thr	Ile
				85						90				95	

4982

Leu Asn Pro Lys Ala Trp Asn Leu Leu Xaa His Phe Thr Phe Val Xaa
 100 105 110

Lys Gly Leu Leu Asn Ala Leu Glu Lys Asp Leu Gly Pro Glu Leu Leu
 115 120 125

Ser

<210> 5667

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5667

Pro Ile His Glu Leu Met Pro Glu Asp Arg Ala Ser Thr Pro Arg Thr
 1 5 10 15

Thr Thr Met Thr Phe Thr Cys Xaa Xaa Phe Phe Asp Leu Phe Asn Ala
 20 25 30

Leu Thr Cys Arg Ser Gln Thr Lys Leu Ile Phe Glu Ile Gly Phe Leu
 35 40 45

Arg Asn His Met Phe Leu Tyr Ser Val Leu Gly Ser Ile Leu Gly Gln
 50 55 60

Leu Ala Val Ile Tyr Ile Pro Pro Leu Gln Arg Val Phe Gln Thr Glu
 65 70 75 80

Asn Leu Gly Ala Leu Asp Leu Leu Phe Leu Thr Gly Leu Ala Ser Ser
 85 90 95

Val Phe Ile Leu Ser Glu Leu Leu Lys Leu Cys Glu Lys Tyr Cys Cys
 100 105 110

Ser Pro Lys Arg Val Gln Met His Pro Glu Asp Val
 115 120

4983

<210> 5668

<211> 50

<212> PRT

<213> Homo sapiens

<400> 5668

Val Ser Val Lys Gln Phe Tyr Phe Ser Tyr Val Thr Val Ala Gly Tyr
1 5 10 15

Asp Leu Asn Phe Val Phe Arg Pro Pro Ala Arg Ile Leu Cys Leu Leu
20 25 30

Leu Tyr Ser Arg Ser Val Phe Leu Pro Arg Leu Arg His Arg Gly Pro
35 40 45

Gln Pro
50

<210> 5669

<211> 170

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5669

Leu Leu His Leu Ile Leu Tyr Met Ser Asn Ala Ser Phe Leu Ser Val
1 5 10 15

4984

Cys Leu Leu Ala Glu Asn Pro Val Gln Leu Ser Pro Gly Cys His Gly
 20 25 30
 Lys Tyr Asp Lys Glu Xaa Thr Leu Gly Leu Gly Leu Lys Gly Leu Val
 35 40 45
 Ile Gln Lys Thr Arg Glu Gly Cys Thr Cys Arg Val Ile Tyr Xaa Arg
 50 55 60
 Asn Leu Ile Lys Tyr Leu Ala His Arg Ser Tyr Lys Glu Ser Phe Gln
 65 70 75 80
 Arg Gly Pro Leu Ala Thr Ala Gly Phe Phe Val Arg Asn Ile Cys Val
 85 90 95
 Xaa Phe Tyr Pro Arg Glu Gln Asn Pro Arg Lys Gly Ser Phe Ile Ile
 100 105 110
 Tyr Ser His Phe Ser Ser Phe Leu Asn Lys Thr Phe Ser Ser Arg Asn
 115 120 125
 Thr Ala Phe Glu Gly Leu Cys Phe Met Gln Pro Ala Ser Leu Val Asp
 130 135 140
 Leu Phe Thr Arg Ser His Gln Val Ile Xaa Ser Ile Leu Gly Arg Trp
 145 150 155 160
 Arg Lys Gln Thr Asp Thr Val Ser Arg Cys
 165 170

<210> 5670

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5670

Tyr Val Leu Ser Ala Phe Arg Gly Leu Ser Arg Val Ile Asp Arg His
 1 5 10 15

4985

Leu Asn Glu Ala Leu Ser Phe Leu Lys Cys Lys Val Gly Glu Thr Gln
 20 25 30
 Asp Thr Arg Lys Arg Lys Asp Ile Val His Ile Val Val Ala Val Ala
 35 40 45
 Leu Arg Thr Val Leu Ala Arg Asp Arg Leu Gly Ile Xaa Ile Asn Pro
 50 55 60
 Gly His Trp Gly Ser Phe Ser Gly Ser Leu Xaa Leu Ser Leu Pro Gly
 65 70 75 80
 Ser Thr His

<210> 5671

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5671

Val His Phe Ile Ser Thr Phe Tyr Tyr Ile Tyr Leu Ile Ala Gln Val
 1 5 10 15
 Leu Leu Ser Arg Lys Lys Trp Asp Val Ala Asn Thr Ala Leu Leu Ala
 20 25 30
 Cys Arg Gln Cys Cys Pro Val Asn Arg Leu Lys Cys Ile Phe Ile Ser
 35 40 45
 Trp Tyr Ile Asn Leu Arg Lys Glu Lys Lys Lys Lys Lys Lys Lys
 50 55 60
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 65 70 75 80
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa
 85 90 95
 Gly Gly

4986

<210> 5672

<211> 199

<212> PRT

<213> Homo sapiens

<400> 5672

Val Phe Leu Thr Tyr Ser Gly Gly Asp Ser Val Met Gln Ile Val Met
1 5 10 15

Phe Asp Arg Gln Ser Ile Phe Ile His Gly Met Lys Ile Ser Leu Gln
20 25 30

Gln Arg Ile Pro Gly Val Ser Ile Gln Gly Ala Ser Gln Ala Asp Glu
35 40 45

Leu Trp Gln Lys Leu Glu Ser Tyr Pro Glu Ala Leu Val Met Leu Asp
50 55 60

Gly Asp Gln Asp Gly Glu Phe Cys Tyr Trp Leu Leu Gln Lys Thr Val
65 70 75 80

Val Gln Phe Pro Glu Val Lys Val Leu Ile Thr Ala Thr Asp Cys Asn
85 90 95

Lys Arg Trp Leu Gln Glu Val Ile His Phe Asn Val Leu Ala Ile Val
100 105 110

Pro Arg Asp Ser Thr Val Glu Thr Phe Ala Leu Ala Val Asn Ser Ala
115 120 125

Ala Met Gly Met Met Phe Leu Pro Gly Asp Trp Arg Thr Thr Pro Glu
130 135 140

Lys Asp Ile Lys Asp Leu Lys Ser Leu Ser Ala Arg Gln Arg Glu Ile
145 150 155 160

Leu Thr Met Leu Ala Ala Gly Glu Ser Asn Lys Glu Ile Gly Arg Ala
165 170 175

Leu Asn Ile Ser Thr Gly Thr Val Lys Ala His Leu Glu Ser Leu Tyr
180 185 190

Arg Arg Leu Glu Val Lys Asn
195

<210> 5673

<211> 192

<212> PRT

<213> Homo sapiens

4987

<220>

<221> SITE

<222> (166)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5673

Ile	Met	Leu	His	Ala	Glu	Ala	Pro	Ala	Pro	Ala	Arg	Phe	Pro	Ala	Phe
1				5				10						15	

Ser	Met	Gly	His	Gly	Gly	Ala	Phe	Gly	Glu	Gly	Leu	Cys	Gly	Phe	Pro
			20					25					30		

Pro	Lys	Ser	Arg	Leu	Met	Pro	Leu	Ile	Pro	Ser	Gln	Glu	Val	Ala	Glu
		35					40					45			

Gly	Leu	Gly	Ser	Val	Gln	Ala	Pro	Arg	Gly	Gly	Asp	Val	Gln	Val	Lys
	50					55					60				

Gln	Gly	Val	Cys	Arg	Arg	Arg	Gly	Ser	Leu	Pro	Trp	Ala	Gly	Cys	Gln
65					70					75					80

His	Leu	Gly	Val	Pro	Gly	Cys	Gln	Glu	Lys	Phe	Thr	His	Thr	Arg	Ala
				85					90					95	

Leu	Leu	Ala	Lys	Gly	Glu	Ser	Tyr	Asp	Gly	Arg	Ala	Arg	Ala	Leu	Ser
		100						105				110			

Arg	His	Gln	Val	Cys	Ser	Gln	Ser	Ser	Arg	Ser	Ala	Pro	Val	Thr	Trp
		115					120					125			

Asn	Arg	Pro	Ala	Phe	Arg	Gly	Leu	Ser	Phe	Leu	Ile	Cys	Leu	Met	Gly
		130				135					140				

Ile	Ala	Ile	Pro	Thr	Phe	Pro	Val	Leu	Val	Gly	Phe	Ser	Leu	Asp	Ala
145					150					155					160

Gln	Glu	Thr	Ala	Ala	Xaa	Glu	Gly	Leu	Phe	Gly	Xaa	Leu	Phe	His	Val
			165					170						175	

Thr	Pro	Leu	Leu	Pro	Cys	Pro	His	Gly	Ala	Gly	Gly	Ala	Gly	Ala	Trp
		180						185					190		

4988

<210> 5674

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5674

Leu	Cys	Asn	Cys	Ile	Thr	Val	Thr	Asn	Glu	Ile	Leu	Ser	Leu	Leu	Leu
1				5					10				15		

Ser	Ile	Cys	Pro	Lys	Lys	Pro	Pro	Pro	His	Val	Leu	Ser	Gly	Glu	Leu
			20					25					30		

Pro	Xaa	His	Phe	Trp	Xaa	Thr	Ala	Gln	Ile	Asn	Ser
		35				40					

<210> 5675

<211> 92

<212> PRT

<213> Homo sapiens

<400> 5675

Glu	Tyr	Ser	Ser	Leu	Ser	Pro	Arg	Ile	Asp	Ser	Ile	Thr	Gln	Ser	Asn
1				5					10				15		

Ile	Asn	Leu	Asn	Gly	Leu	Ala	Pro	Ser	Phe	Phe	Ser	Lys	Asn	Asn	Gln
		20						25					30		

Leu	Ile	Lys	Lys	Lys	Phe	Glu	Gly	Leu	Asn	Tyr	Phe	Asn	Gly	Cys	Leu
		35					40					45			

Lys	Tyr	Ser	Val	Gln	Phe	Val	Pro	Val	Ser	Ser	Leu	Ser	Val	Trp	Gly
	50					55					60				

Arg	Ile	Lys	Tyr	Cys	Ala	Lys	Leu	Val	Leu	Gly	Tyr	Ile	Leu	Gln	His
65					70					75				80	

Leu	Val	Phe	Tyr	Leu	Thr	Asn	Arg	Ile	Leu	Val	Pro
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4989

85

90

<210> 5676

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5676

Ala	Arg	Met	Phe	Thr	Phe	Gly	Arg	Leu	Phe	Gln	Ile	Ile	Thr	Val	Val
1				5				10					15		

Thr	Cys	Leu	Gln	Phe	Ile	Gln	Asp	Cys	Cys	Ile	His	Ser	Arg	Gln	Ile
			20				25						30		

Asn	Ser	Leu	Leu	Glu	Thr	Ser	Ser	Leu	Ser	Arg	Cys	Leu	Glu	Xaa	Pro
		35					40					45			

Asp	Val	Cys
	50	

<210> 5677

<211> 486

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (197)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (203)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (483)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5677

Gln	Val	Gln	Ile	Arg	Ile	Leu	Asp	Val	Asn	Asp	Asn	Ile	Pro	Val	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

4990

1	5	10	15
Glu Asn Lys Val	Leu Glu Gly Met Val	Glu Glu Asn Gln Val	Asn Val
20	25	30	
Glu Val Thr Arg	Ile Lys Val Phe Asp	Ala Asp Glu Ile	Gly Ser Asp
35	40	45	
Asn Trp Leu Ala	Asn Phe Thr Phe Ala	Ser Gly Asn Glu	Gly Gly Tyr
50	55	60	
Phe His Ile Glu	Thr Asp Ala Gln Thr	Asn Glu Gly Ile	Val Thr Leu
65	70	75	80
Ile Lys Glu Val	Asp Tyr Glu Glu Met	Lys Asn Leu Asp	Phe Ser Val
85	90	95	
Ile Val Ala Asn	Lys Ala Ala Phe His	Lys Ser Ile Arg	Ser Lys Tyr
100	105	110	
Lys Pro Thr Pro	Ile Pro Ile Lys Val	Lys Val Lys Asn	Val Lys Glu
115	120	125	
Gly Ile His Phe	Lys Ser Ser Val Ile	Ser Ile Tyr Val	Ser Glu Ser
130	135	140	
Met Asp Arg Ser	Ser Lys Gly Gln Ile	Ile Gly Asn Phe	Gln Ala Phe
145	150	155	160
Asp Glu Asp Thr	Gly Leu Pro Ala His	Ala Arg Tyr Val	Lys Leu Glu
165	170	175	
Asp Arg Asp Asn	Trp Ile Ser Val Asp	Ser Val Thr Ser	Glu Ile Lys
180	185	190	
Leu Ala Lys Leu	Xaa Asp Phe Glu Ser	Arg Xaa Val Gln	Asn Gly Thr
195	200	205	
Tyr Thr Val Lys	Ile Val Ala Ile Ser	Glu Asp Tyr Pro	Arg Lys Thr
210	215	220	
Ile Thr Gly Thr	Val Leu Ile Asn Val	Glu Asp Ile Asn	Asp Asn Cys
225	230	235	240
Pro Thr Leu Ile	Glu Pro Val Gln Thr	Ile Cys His Asp	Ala Glu Tyr
245	250	255	
Val Asn Val Thr	Ala Glu Asp Leu Asp	Gly His Pro Asn	Ser Gly Pro
260	265	270	
Phe Ser Phe Ser	Val Ile Asp Lys Pro	Pro Gly Met Ala	Glu Lys Trp

4991

275					280					285					
Lys	Ile	Ala	Arg	Gln	Glu	Ser	Thr	Ser	Val	Leu	Leu	Gln	Gln	Ser	Glu
290						295				300					
Lys	Lys	Leu	Gly	Arg	Ser	Glu	Ile	Gln	Phe	Leu	Ile	Ser	Asp	Asn	Gln
305					310					315					320
Gly	Phe	Ser	Cys	Pro	Glu	Lys	Gln	Val	Leu	Thr	Leu	Thr	Val	Cys	Glu
				325					330					335	
Cys	Leu	His	Gly	Ser	Gly	Cys	Arg	Glu	Ala	Gln	His	Asp	Ser	Tyr	Val
			340					345					350		
Gly	Leu	Gly	Pro	Ala	Ala	Ile	Ala	Leu	Met	Ile	Leu	Ala	Phe	Leu	Leu
		355					360					365			
Leu	Leu	Leu	Val	Pro	Leu	Leu	Leu	Leu	Met	Cys	His	Cys	Gly	Lys	Gly
	370					375					380				
Ala	Lys	Gly	Phe	Thr	Pro	Ile	Pro	Gly	Thr	Ile	Glu	Met	Leu	His	Pro
385					390					395					400
Trp	Asn	Asn	Glu	Gly	Ala	Pro	Pro	Glu	Asp	Lys	Val	Val	Pro	Ser	Phe
			405						410					415	
Leu	Pro	Val	Asp	Gln	Gly	Gly	Ser	Leu	Val	Gly	Arg	Asn	Gly	Val	Gly
			420					425					430		
Gly	Met	Ala	Lys	Glu	Ala	Thr	Met	Lys	Gly	Ser	Ser	Ser	Ala	Ser	Ile
	435						440					445			
Val	Lys	Gly	Gln	His	Glu	Met	Ser	Glu	Met	Asp	Gly	Arg	Trp	Glu	Glu
	450					455					460				
His	Arg	Ser	Leu	Leu	Ser	Gly	Arg	Ala	Thr	Gln	Phe	Thr	Gly	Ala	Thr
465					470					475					480
Gly	Ala	Xaa	His	Asp	His										
			485												

<210> 5678

<211> 311

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (135)

4992

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5678

Ala Ile Val Pro Ser Trp Asp Leu Asp Lys Asp Thr Ile Ser Leu Leu
1 5 10 15

Ser Pro Val Leu Cys Ile Phe Pro Ser Pro Ser Ser Gln Thr Ser Leu
20 25 30

Leu Tyr Val Phe Ser Leu Ala Gly Arg Met Thr Gln Asn Thr Val Ile
35 40 45

Val Asn Gly Val Ala Met Ala Ser Arg Pro Ser Gln Pro Thr His Val
50 55 60

Asn Val His Ile His Gln Glu Ser Ala Leu Thr Gln Leu Leu Lys Ala
65 70 75 80

Gly Gly Ser Leu Lys Lys Phe Leu Phe His Pro Gly Asp Thr Val Pro
85 90 95

Ser Thr Ala Arg Ile Gly Tyr Glu Gln Leu Ala Leu Gly Val Thr Gln
100 105 110

Ile Leu Leu Gly Val Val Ser Cys Val Leu Gly Val Cys Leu Ser Leu
115 120 125

Gly Pro Trp Thr Val Leu Xaa Ala Ser Gly Cys Ala Phe Trp Ala Gly
130 135 140

Ser Val Val Ile Ala Ala Gly Ala Gly Ala Ile Val His Glu Lys His
145 150 155 160

Pro Gly Lys Leu Ala Gly Tyr Ile Ser Ser Leu Leu Thr Leu Xaa Gly
165 170 175

Phe Ala Thr Ala Met Ala Ala Val Val Leu Cys Val Asn Ser Phe Ile
180 185 190

Trp Gln Thr Glu Pro Phe Leu Tyr Ile Asp Thr Val Cys Asp Arg Ser
195 200 205

Asp Pro Val Phe Pro Thr Thr Gly Tyr Arg Trp Met Arg Arg Ser Gln
210 215 220

Glu Asn Gln Trp Gln Lys Glu Glu Cys Arg Ala Tyr Met Gln Met Leu

4993

225 230 235 240
 Arg Lys Leu Phe Thr Ala Ile Arg Ala Leu Phe Leu Ala Val Cys Val
 245 250 255
 Leu Lys Val Ile Val Ser Leu Val Ser Leu Gly Val Gly Leu Arg Asn
 260 265 270
 Leu Cys Gly Gln Ser Ser Gln Pro Leu Asn Glu Glu Gly Ser Glu Lys
 275 280 285
 Arg Leu Leu Gly Glu Asn Ser Val Pro Pro Ser Pro Ser Arg Glu Gln
 290 295 300
 Thr Ser Thr Ala Ile Val Leu
 305 310

<210> 5679

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5679

Ala Gln Trp Leu Pro Leu Glu Glu Arg Gly Ala Glu Thr Glu Thr Lys
 1 5 10 15
 Val Gln Glu Arg Glu Asn Gly Glu Ser Pro Leu Glu Leu Glu Gln Leu
 20 25 30
 Asp Gln His His Glu Met Lys Glu Thr Asn Glu Gln Lys Leu His Lys
 35 40 45
 Ile Ala Asn Glu Leu Leu Leu Thr Glu Arg Ala Tyr Val Asn Arg Leu
 50 55 60
 Asp Leu Leu Asp Gln Val Phe Tyr Cys Lys Leu Leu Glu Glu Ala Asn
 65 70 75 80
 Arg Gly Ser Phe Xaa Ala Glu Met Val Ile Lys Ser Phe Leu Ile Phe
 85 90 95
 His Gln

4994

<210> 5680

<211> 58

<212> PRT

<213> Homo sapiens

<400> 5680

Ala Arg Lys Glu Ile Gln Tyr Cys Phe Trp Thr Leu Ile Lys Ser Cys
1 5 10 15

Ala Ile Asp Thr Tyr Met Ser His Leu Ala Val Leu Arg Arg Ala Ile
20 25 30

Ile Thr Leu Gln Leu Thr Leu Glu Asn Ile Leu Ala Phe Glu His Phe
35 40 45

Ser Asn Asn Gln Val Asp Ser Arg Gly Ser
50 55

<210> 5681

<211> 54

<212> PRT

<213> Homo sapiens

<400> 5681

Ser Leu Thr Ser Lys Pro Glu Thr Ser Glu Ile Leu Lys Ala Asn Leu
1 5 10 15

Phe Ser Leu Leu Cys Ile Lys Phe Ile Tyr Leu Lys Cys Tyr Cys Ser
20 25 30

Trp Leu Arg Ile Ile Leu Cys Lys Phe Ser Phe Phe Val Val Cys Leu
35 40 45

Phe Ala Cys Cys Ser Pro
50

<210> 5682

<211> 486

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

4995

<220>

<221> SITE

<222> (326)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (400)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (406)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5682

Ser	Ser	Thr	Ala	Val	Thr	Xaa	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly
1				5					10					15	

Cys	Arg	Asn	Ser	Ala	Arg	Gly	Tyr	Ile	Gln	Tyr	Gly	Asn	Glu	Glu	Gln
			20					25					30		

Arg	Lys	Gln	Ala	Phe	Glu	Glu	Leu	Arg	Asp	Asp	Leu	Val	Glu	Leu	Ser
			35				40					45			

Lys	Ala	Lys	Tyr	Ser	Arg	Asn	Ile	Val	Lys	Lys	Phe	Leu	Met	Tyr	Gly
	50					55					60				

Ser	Lys	Pro	Gln	Ile	Ala	Glu	Ile	Ile	Arg	Ser	Phe	Lys	Gly	His	Val
65					70					75				80	

Arg	Lys	Met	Leu	Arg	His	Ala	Glu	Ala	Ser	Ala	Ile	Val	Glu	Tyr	Ala
			85						90					95	

Tyr	Asn	Asp	Lys	Ala	Ile	Leu	Glu	Gln	Arg	Asn	Met	Leu	Thr	Glu	Glu
			100					105					110		

Leu	Tyr	Gly	Asn	Thr	Phe	Gln	Leu	Tyr	Lys	Ser	Ala	Asp	His	Arg	Thr
		115					120					125			

Leu	Asp	Lys	Val	Leu	Glu	Val	Gln	Pro	Glu	Lys	Leu	Glu	Leu	Ile	Met
	130					135					140				

Asp	Glu	Met	Lys	Gln	Ile	Leu	Thr	Pro	Met	Ala	Gln	Lys	Glu	Ala	Val
145					150					155				160	

Ile	Lys	His	Ser	Leu	Val	His	Lys	Val	Phe	Leu	Asp	Phe	Phe	Thr	Tyr
			165						170					175	

Ala	Pro	Pro	Lys	Leu	Arg	Ser	Glu	Met	Ile	Glu	Ala	Ile	Arg	Glu	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

4996

180	185	190
Val Val Tyr Leu Ala His Thr His Asp Gly Ala Arg Val Ala Met His		
195	200	205
Cys Leu Trp His Gly Thr Pro Lys Asp Arg Lys Val Ile Val Lys Thr		
210	215	220
Met Lys Thr Tyr Val Glu Lys Val Ala Asn Gly Gln Tyr Ser His Leu		
225	230	235
Val Leu Leu Ala Ala Phe Asp Cys Ile Asp Asp Thr Lys Leu Val Lys		
	245	250
Gln Ile Ile Ile Ser Glu Ile Ile Ser Ser Leu Pro Ser Ile Val Asn		
	260	265
Asp Lys Tyr Gly Arg Lys Val Leu Leu Tyr Leu Leu Ser Pro Arg Asp		
	275	280
Pro Ala His Thr Val Arg Glu Ile Ile Glu Val Leu Gln Lys Gly Asp		
	290	300
Gly Asn Ala His Ser Lys Lys Asp Thr Glu Val Arg Arg Arg Glu Leu		
305	310	315
Leu Glu Ser Ile Ser Xaa Ala Leu Leu Ser Tyr Leu Gln Glu His Ala		
	325	330
Gln Glu Val Val Leu Asp Lys Ser Ala Cys Val Leu Val Ser Asp Ile		
	340	345
Leu Gly Ser Ala Thr Gly Asp Val Gln Pro Thr Met Asn Ala Ile Ala		
	355	360
Ser Leu Ala Ala Thr Gly Leu His Pro Gly Gly Lys Asp Gly Glu Leu		
	370	380
His Ile Ala Glu His Pro Ala Gly His Leu Val Leu Lys Trp Leu Xaa		
385	390	395
Glu Gln Asp Lys Lys Xaa Lys Glu Asn Gly Arg Glu Gly Cys Phe Ala		
	405	410
Lys Thr Leu Val Glu His Val Gly Met Lys Asn Leu Lys Ser Trp Ala		
	420	425
Ser Val Asn Arg Gly Ala Ile Ile Leu Ser Ser Leu Leu Gln Ser Cys		
	435	440
Asp Leu Glu Val Ala Asn Lys Val Lys Ala Ala Leu Lys Ser Leu Ile		

4999

Leu Thr Ser Gln Asp Leu Xaa Tyr Asp Leu Asp Ile Asn Ile Phe Asp
 35 40 45
 Glu Ile Asn Leu Met Ser Leu Ala Thr Glu Asp Asn Phe Asp Pro Ile
 50 55 60
 Asp Val Ser Gln Leu Phe Asp Glu Pro Asp Ser Asp Ser Gly Leu Ser
 65 70 75 80
 Leu Asp Ser Ser His Asn Asn Thr Ser Val Ile Lys Ser Asn Ser Ser
 85 90 95
 His Ser Val Cys Asp Glu Gly Ala Ile Gly Tyr Cys Thr Asp His Glu
 100 105 110
 Ser Ser Ser His His Asp Leu Glu Gly Ala Val Gly Gly Tyr Tyr Pro
 115 120 125
 Glu Pro Ser Lys Leu Cys His Leu Asp Gln Ser Asp Ser Asp Phe His
 130 135 140
 Gly Asp Leu Thr Phe Gln His Val Phe His Asn His Thr Tyr His Leu
 145 150 155 160
 Gln Pro Thr Ala Pro Glu Ser Thr Ser Glu Pro Phe Pro Trp Pro Gly
 165 170 175
 Lys Ser Gln Lys Ile Arg Ser Arg Tyr Leu Glu Asp Thr Asp Arg Asn
 180 185 190
 Leu Ser Arg Asp Glu Gln Arg Ala Lys Ala Leu His Ile Pro Phe Ser
 195 200 205
 Val Asp Glu Ile Val Gly Met Pro Val Asp Ser Phe Asn Ser Met Leu
 210 215 220
 Ser Arg Tyr Tyr Leu Thr Asp Leu Gln Val Ser Leu Ile Arg Asp Ile
 225 230 235 240
 Arg Arg Arg Gly Lys Asn Lys Val Ala Ala Xaa Asn Cys Arg Lys Xaa
 245 250 255
 Xaa Leu Asp Ile Ile Leu Asn Leu Glu Asp Asp Gly Met Val Thr Trp
 260 265 270
 Pro Ala Lys Lys Gly Asn Pro
 275

5001

<210> 5686

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5686

Glu Ile Lys Phe Cys Phe Tyr Leu Gly Thr Arg Ala Leu Gln Asp Leu
 1 5 10 15

Ile Pro Ala Tyr Leu Ser Ser Leu Asp Ser Leu Tyr Ser Ser Ile Trp
 20 25 30

Lys Cys Gly Pro Trp Thr Glu Ala Leu Pro Asn Asn Ala Glu His Leu
 35 40 45

Val Leu Pro Phe Ala Arg Met Val Leu Met Val Pro Lys Ile Thr Ala
 50 55 60

Ser Xaa Pro Lys Phe Arg Thr Gln Ile Thr Leu Trp Arg Arg Pro Gln
 65 70 75 80

Pro Leu Ala Xaa Ala Phe Lys Ala Leu Arg Asp Leu Asp Thr Arg Leu
 85 90 95

Ala Leu Ile Tyr Ile Tyr Phe Lys Ser Ile Ser Ser Leu Ser His Ala
 100 105 110

His

<210> 5687

<211> 78

<212> PRT

<213> Homo sapiens

<400> 5687

Leu Asp Ile Lys Thr Ser Tyr Ser Leu Asn Pro Lys Ala Lys Leu Met
 1 5 10 15

5002

Ser Arg Ala Asn Gln Ser Ser Trp Gly Gln Asn Arg Thr Lys Thr Tyr
 20 25 30

Leu Met Gln Gly Ile Glu Ala Arg Pro Lys Thr Gly Gln Pro Asn Arg
 35 40 45

Met Gly His Leu Pro Pro Leu Met Pro Ala Cys Pro Ser Val Ile Ile
 50 55 60

Asn Ser Ala Pro Phe His Ser Pro Lys Ser Pro Val Gln Thr
 65 70 75

<210> 5688

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5688

Leu Ser Leu Thr Lys Gly Asn Lys Ser Xaa Xaa Ser Thr Ala Val Ala
 1 5 10 15

Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
 20 25 30

Ala Ser Asn Leu Tyr Phe Tyr Leu Leu Cys Ile
 35 40

<210> 5689

<211> 51

<212> PRT

<213> Homo sapiens

<400> 5689

Thr Thr Tyr Cys Phe Pro Leu Phe Gln Gly Asp Ala Val Asp Tyr Gln
 1 5 10 15

5003

Lys Gln Leu Lys Gln Met Ile Lys Asp Leu Ala Lys Glu Lys Asp Lys
20 25 30

Thr Glu Lys Glu Leu Pro Lys Met Ser Gln Val Trp Thr Phe Phe Ser
35 40 45

Ala Glu Asn
50

<210> 5690

<211> 35

<212> PRT

<213> Homo sapiens

<400> 5690

Glu Ala Leu Val Asp Phe Leu Tyr Trp Tyr Phe Arg Ser Leu Leu Ser
1 5 10 15

Phe Leu Thr Glu Val Gly Ala Asn Glu Leu Ser Ile Leu Ser Thr Trp
20 25 30

Leu Ile Lys
35

<210> 5691

<211> 32

<212> PRT

<213> Homo sapiens

<400> 5691

Gly Asn Lys Ser Trp Gly Ser Thr Ala Val Thr Thr Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Tyr Lys Leu Ser
20 25 30

<210> 5692

<211> 74

<212> PRT

<213> Homo sapiens

<400> 5692

5004

Gly Thr Leu Leu Lys Phe Leu Cys Lys Leu Gly Leu Phe Phe Ser Leu
 1 5 10 15
 Ser Cys Val Ser Arg Thr Val Gly Val Pro Gly Leu Leu Ser Cys Trp
 20 25 30
 Val Gln Ala Ser Arg Ile Leu Arg Arg Cys Glu Glu Glu Val Arg Lys
 35 40 45
 Ile Gly Gly Asn Arg Lys Glu Lys Glu Ile Trp Pro Arg Phe Trp Gly
 50 55 60
 Glu Lys Val Trp Gly Lys Ser Lys Gly Asn
 65 70

<210> 5693

<211> 50

<212> PRT

<213> Homo sapiens

<400> 5693

Glu Asn Ala Cys Lys Ala Leu Gly Ile Val His Asp Val Asn Thr Gln
 1 5 10 15
 Met Leu Leu Lys Ser Ile Asn Val Asn Tyr Phe Leu Ala His Phe Ser
 20 25 30
 Gly Leu Ile Ser Pro Val Lys Met Ile His Ser Ile Leu Phe Asn Gly
 35 40 45
 Phe Met
 50

<210> 5694

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

5005

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5694

Gly Leu Gly Cys Ala Leu Ala Gln Val Leu Cys Gly Asp Ala Arg Gln
 1 5 10 15

His Ile Leu Leu Arg Asp Asp Thr Leu Ser Gly Gln His Arg Pro Val
 20 25 30

Thr Ile Xaa Ser Leu Ala Thr Ser Leu Ser Pro Ala Ser Pro Ser Leu
 35 40 45

Asp Thr Arg Pro Gln Thr Pro Gly Ser Gly Arg Gly Gly Trp Thr Ser
 50 55 60

Leu His Thr Pro Ala Gly Arg Gly Gln Val Pro Arg Ser Pro Met Trp
 65 70 75 80

Arg Ala Gly Pro Gly Ala Ala Gln Ala Gly Gly Xaa Asn Trp Gly Leu
 85 90 95

Arg Val Leu Arg Arg Arg Val Lys Ile Ile Lys Gly Ala Thr Glu Ser
 100 105 110

Lys Arg Arg Glu Gly Leu Val Pro Asn Ser Cys Ser Pro Gly Asp Pro
 115 120 125

Leu Val Leu Glu Arg Xaa Pro Pro Arg Trp Ser Xaa Ser Phe Val Pro
 130 135 140

Leu Val Arg
 145

<210> 5695

<211> 58

<212> PRT

<213> Homo sapiens

<400> 5695

Val Phe Ser Gly Met His Arg Phe Ile Ile Phe Ser Thr Leu Lys Met

5006

1 5 10 15
 Arg Ala Phe Lys Ser Val His Tyr Leu Tyr Ser Pro Val Leu Ser Ile
 20 25 30
 Val Tyr Ile Ile Tyr Met Ile Lys Glu Asn Met His Asn Gln Thr Ser
 35 40 45
 Leu Asn Ile Val Phe Ala Pro Asp Glu Gln
 50 55

<210> 5696

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5696

Thr Arg Cys Lys Arg Phe Val Asn Ser Leu Ala Pro Lys Leu Ser His
 1 5 10 15
 Trp Arg Arg Asp Phe Xaa His Tyr Ala Glu Ser Gly Trp Val Glu Phe
 20 25 30
 Arg Thr Ala Thr Leu Val Ala Glu Glu Leu His Gln Leu Gly Tyr Ser
 35 40 45
 Leu Ala Leu Gly Arg Glu
 50

<210> 5697

<211> 57

<212> PRT

<213> Homo sapiens

<400> 5697

Gln Gln Phe Gly Arg Asp Gly Ser Pro Ala Ala Tyr Val Gly Gly Pro
 1 5 10 15
 Ser Val Gly Leu Arg Val Arg Val Ala Met Ala Val Asp Ile Thr Leu
 20 25 30
 Leu Phe Arg Ala Ser Val Lys Thr Val Lys Thr Arg Asn Lys Arg Trp

5007

35

40

45

Glu Trp Arg Trp Ala Thr Gly Ser Met
 50 55

<210> 5698

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5698

Gln Lys Ser Pro Ser Val Glu Asp Gly Leu Lys Gly Arg Asp Gln Thr
 1 5 10 15

Xaa Met Asp Thr Asn Pro Lys Thr Glu Asp Ala Pro Cys Leu Pro His
 20 25 30

Glu Ala Tyr Leu Ser Ala Cys Val Ser Met Ile Ala Gly Ile Glu Leu
 35 40 45

Leu Gly Thr Ser Arg Met Ile Tyr Leu Ala Ile Cys Phe Leu His Ser
 50 55 60

Lys Asn Gln Asn Gly Pro Val Ile Pro Asn Arg Glu Asn Arg Ala Asn
 65 70 75 80

Ser Leu Phe Ser Pro Leu Pro Ser Glu Ala Ser Phe
 85 90

<210> 5699

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5699

Gly Arg Gly Trp Gly Trp Glu Gly Thr Val Leu Pro Gly Glu Ala Glu
 1 5 10 15

5008

Glu Asp Arg Val Gly Leu Arg Ala Arg Arg Arg Pro Ser Arg Leu Leu
 20 25 30
 Ala Pro Leu Ala Trp Cys Pro Ala Pro Gly Arg Glu Ala Ala Gly Leu
 35 40 45
 Asp Arg Ala Gly Leu Pro Gly Gly Ala Arg Ala Leu Ala Ala Gly Arg
 50 55 60
 Pro Leu Leu Ser Ala Met Ala Gly Leu His Pro Trp Val Ile Phe Ser
 65 70 75 80
 Gly Pro Leu Trp Pro Leu Leu Thr Pro Arg Glu Gln Thr Thr Arg Thr
 85 90 95
 Thr Gln Glu Gln Ile Lys Ser Arg Pro Gln Pro Xaa Arg Glu Arg Ala
 100 105 110
 Ser Ile Leu Phe Ala Pro Arg Val Ala Val
 115 120

<210> 5700

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5700

Ala Glu Leu Thr Pro Ser Ser Lys Leu Thr Val Asp Thr Asp Thr Leu
 1 5 10 15
 Thr Pro Ser Ser Thr Leu Cys Glu Asn Ser Val Ser Glu Leu Leu Thr
 20 25 30
 Pro Ala Lys Ala Glu Xaa Ser Xaa His Pro Asn Ser Asp Phe Phe Gly
 35 40 45
 Gln Glu Gly Glu Thr Gln Phe Gly Phe Pro Asn Ala Ala Gly Asn His
 50 55 60

5009

Gly Ser Gln Lys Glu Arg Asn Leu Ile Thr Val Thr Gly Ser Ser Phe
 65 70 75 80

Leu Val

<210> 5701

<211> 316

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5701

Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Thr Gly Xaa Asn Asn
 1 5 10 15

Thr Lys Ala Phe Glu Val Pro Ala Xaa Ala Asn Phe Leu Asn Ser Asn
 20 25 30

Asp Val Phe Val Leu Lys Thr Gln Ser Cys Cys Tyr Leu Trp Cys Gly
 35 40 45

Lys Gly Cys Ser Gly Asp Glu Arg Glu Met Ala Lys Met Val Ala Asp
 50 55 60

Thr Ile Ser Arg Thr Glu Lys Gln Val Val Val Glu Gly Gln Glu Pro
 65 70 75 80

Ala Asn Phe Trp Met Ala Leu Gly Gly Lys Ala Pro Tyr Ala Asn Thr
 85 90 95

Lys Arg Leu Gln Glu Glu Asn Leu Val Ile Thr Pro Arg Leu Phe Glu
 100 105 110

Cys Ser Asn Lys Thr Gly Arg Phe Leu Ala Thr Glu Ile Pro Asp Phe
 115 120 125

Asn Gln Asp Asp Leu Glu Glu Asp Asp Val Phe Leu Leu Asp Val Trp
 130 135 140

5010

Asp Gln Val Phe Phe Trp Ile Gly Lys His Ala Asn Glu Glu Glu Lys
 145 150 155 160
 Lys Ala Ala Ala Thr Thr Ala Gln Glu Tyr Leu Lys Thr His Pro Ser
 165 170 175
 Gly Arg Asp Pro Glu Thr Pro Ile Ile Val Val Lys Gln Gly His Glu
 180 185 190
 Pro Pro Thr Phe Thr Gly Trp Phe Leu Ala Trp Asp Pro Phe Lys Trp
 195 200 205
 Ser Asn Thr Lys Ser Tyr Glu Asp Leu Lys Ala Glu Leu Gly Asn Ser
 210 215 220
 Arg Asp Trp Ser Gln Ile Thr Ala Glu Val Thr Ser Pro Lys Val Asp
 225 230 235 240
 Val Phe Asn Ala Asn Ser Asn Leu Ser Ser Gly Pro Leu Pro Ile Phe
 245 250 255
 Pro Leu Glu Gln Leu Val Asn Lys Pro Val Glu Glu Leu Pro Glu Gly
 260 265 270
 Val Asp Pro Ser Arg Lys Glu Glu His Leu Ser Ile Glu Asp Phe Thr
 275 280 285
 Gln Ala Phe Gly Met Thr Pro Ala Ala Phe Ser Ala Leu Pro Arg Trp
 290 295 300
 Lys Gln Gln Asn Leu Lys Lys Glu Lys Gly Leu Phe
 305 310 315

<210> 5702

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

5011

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5702

Gly Lys Lys Glu Glu Asn Asn Pro Val Ser Leu Glu Val Gly Val Trp
 1 5 10 15

Val Gly Thr Gly Asp Pro Gly Val Val Met Met Lys Thr Arg Ala Gly
 20 25 30

Phe Gly Gly Arg Leu Arg Leu Phe Arg Ser Leu Leu Ser Pro Pro Pro
 35 40 45

Ser Arg Ser Leu Pro Pro Pro Pro His Xaa Ser Ala Gly Lys Ala Ala
 50 55 60

Cys Ala Ala Pro Gly Gly Glu Met Val Asp Ala His Glu Leu Cys Met
 65 70 75 80

Trp Phe Leu Xaa Xaa Leu Ser Val Leu Gly Pro Val Phe Gly Gly Thr
 85 90 95

Pro Lys Gly

<210> 5703

<211> 292

<212> PRT

<213> Homo sapiens

<400> 5703

Leu Gln Ala Ile Pro Ala Lys Lys Ala Pro Leu Gln Leu Leu Ser Arg
 1 5 10 15

Leu Cys Gly Asp His Leu Gln Ala Ile Pro Ala Lys Lys Ala Pro Ala
 20 25 30

Gly Gln Glu Glu Pro Gly Thr Pro Pro Ser Ser Pro Leu Ser Ala Glu
 35 40 45

Gln Leu Asp Arg Ile Gln Arg Asn Lys Ala Ala Ala Leu Leu Arg Leu
 50 55 60

Ala Ala Arg Asn Val Pro Val Gly Phe Gly Glu Ser Trp Lys Lys His
 65 70 75 80

Leu Ser Gly Glu Phe Gly Lys Pro Tyr Phe Ile Lys Leu Met Gly Phe

5012

	85		90		95
Val Ala Glu Glu Arg Lys His Tyr Thr Val Tyr Pro Pro Pro His Gln					
	100		105		110
Val Phe Thr Trp Thr Gln Met Cys Asp Ile Lys Asp Val Lys Val Val					
	115		120		125
Ile Leu Gly Gln Asp Pro Tyr His Gly Pro Asn Gln Ala His Gly Leu					
	130		135		140
Cys Phe Ser Val Gln Arg Pro Val Pro Pro Pro Pro Ser Leu Glu Asn					
145		150		155	160
Ile Tyr Lys Glu Leu Ser Thr Asp Ile Glu Asp Phe Val His Pro Gly					
	165		170		175
His Gly Asp Leu Ser Gly Trp Ala Lys Gln Gly Val Leu Leu Leu Asn					
	180		185		190
Ala Val Leu Thr Val Arg Ala His Gln Ala Asn Ser His Lys Glu Arg					
	195		200		205
Gly Trp Glu Gln Phe Thr Asp Ala Val Val Ser Trp Leu Asn Gln Asn					
	210		215		220
Ser Asn Gly Leu Val Phe Leu Leu Trp Gly Ser Tyr Ala Gln Lys Lys					
225		230		235	240
Gly Ser Ala Ile Asp Arg Lys Arg His His Val Leu Gln Thr Ala His					
	245		250		255
Pro Ser Pro Leu Ser Val Tyr Arg Gly Phe Phe Gly Cys Arg His Phe					
	260		265		270
Ser Lys Thr Asn Glu Leu Leu Gln Lys Ser Gly Lys Lys Pro Ile Asp					
	275		280		285
Trp Lys Glu Leu					
290					

<210> 5704

<211> 103

<212> PRT

<213> Homo sapiens

<400> 5704

Phe	Leu	Arg	Cys	Val	Asp	Leu	Asp	Gly	Arg	Cys	Asp	Met	Leu	Val	Phe
1				5				10						15	

5014

20 25 30
 Pro Glu Tyr Asp Gly Arg Gly Val Leu Ile Ala Val Leu Asp Thr Gly
 35 40 45
 Val Asp Pro Gly Ala Pro Gly Met Gln Val Thr Thr Asp Gly Lys Pro
 50 55 60
 Lys Ile Val Asp Ile Ile Asp Thr Thr Gly Ser Gly Asp Val Asn Thr
 65 70 75 80
 Ala Thr Glu Val Glu Pro Lys Asp Gly Glu Ile Val Gly Leu Ser Gly
 85 90 95
 Arg Val Leu Lys Ile Pro Ala Ser Trp Thr Asn Pro Ser Gly Lys Tyr
 100 105 110
 His Ile Gly Ile Lys Asn Gly Tyr Asp Phe Tyr Pro Lys Ala Leu Lys
 115 120 125
 Glu Arg Xaa Gln Lys Glu Arg Lys Glu Lys Ile Trp Asp Pro Val His
 130 135 140
 Arg Xaa Ala Leu Ala Glu Ala Cys Arg Xaa Gln Glu Xaa Phe Asp Val
 145 150 155 160
 Ala Asn Asn Gly Ser Ser Gln Ala Asn Lys Leu Ile Lys
 165 170

<210> 5706

<211> 77

<212> PRT

<213> Homo sapiens

<400> 5706

Thr Leu Val Ala Glu Ala Thr Met Asp Leu Leu Leu Gly Asp Ser Trp
 1 5 10 15
 Gly Ser Pro Arg Pro Pro Arg Ala Glu Arg Gly Asp Glu Glu Phe Gly
 20 25 30
 Thr Val Gly Glu Glu Met Gly Arg Asp Gly Ile Ser Gly Ser Gln Ser
 35 40 45
 Gly Trp Asp Thr His Ala Gln Leu Leu His Trp Trp Gly Val Gly His
 50 55 60
 Thr Leu Phe Leu Thr Gly His Asp Leu Gln Glu Glu Lys
 65 70 75

5015

<210> 5707

<211> 53

<212> PRT

<213> Homo sapiens

<400> 5707

Ile Gln His Leu Met Gln Val Ser Ser Trp Val Val Phe Gln Leu Val
1 5 10 15

Trp Asn Ser Leu Val Leu Thr Gln Thr Gly Ile Lys His Tyr Phe Arg
20 25 30

Phe Ser Leu Cys Gln Phe Leu Ser Ser Tyr Asn His Val Asn Gln Asp
35 40 45

Val Arg Thr Ser Ile
50

<210> 5708

<211> 64

<212> PRT

<213> Homo sapiens

<400> 5708

Gln Pro Gln Cys Pro Ala Ser Leu Thr Ser Ser Phe Leu Cys Pro Leu
1 5 10 15

Cys Gly Ser Leu Leu Leu Val Ser Ala Phe Ser Met Leu Arg Thr Lys
20 25 30

Ser Pro Ile His Cys Leu Cys Ser Arg Lys Leu Gln Lys Asn Lys Glu
35 40 45

Pro Asn Tyr Gln Asn His Ile Lys Ser Pro Leu Phe Cys Leu Gly Ile
50 55 60

<210> 5709

<211> 39

<212> PRT

<213> Homo sapiens

5016

<400> 5709

Ala Ala Phe Phe Leu Leu Arg Leu Ser Leu Phe Val Leu Leu Pro Lys
 1 5 10 15

Arg Gln Leu Pro Glu Phe Gly Cys Leu Asn Tyr Asn Leu Cys Arg Asn
 20 25 30

Ser Ser Val Asn Thr Phe Lys
 35

<210> 5710

<211> 112

<212> PRT

<213> Homo sapiens

<400> 5710

Gln Leu Gln Leu Phe Cys Leu Gly Phe Gln Leu Phe Leu Val Arg Val
 1 5 10 15

Cys Ser Leu Met Ile Trp Ile Tyr Phe Ala Phe Ile Phe Gln Arg Leu
 20 25 30

His Leu Ile Pro Gly Lys Ser Ser Ala Arg Gln Val Ser Gly Phe Ser
 35 40 45

Leu Leu Ser Phe Asn Pro Ser Asn Thr Ile Phe Val Lys Leu Asp Trp
 50 55 60

Trp Cys Phe Ile Gln Leu Ile Tyr Ser Ala Tyr Leu Phe Glu Lys Arg
 65 70 75 80

Leu Leu Glu Ile Asp Asp Val Phe Val Pro Val Ile Leu Lys Val Val
 85 90 95

Gly Ala Arg Ile Glu Phe His Ser Gly Ile Gly Phe Gly Ser Gly Leu
 100 105 110

<210> 5711

<211> 62

<212> PRT

<213> Homo sapiens

<400> 5711

Trp Val Met Glu Tyr Asn Leu Glu Lys Lys Arg Asn Lys Arg Asp Cys

5017

1	5	10	15
Val Ser Pro Cys Cys Pro Gly Trp Ser Arg Thr Ser Glu Leu Lys Gln			
	20	25	30
Ser Thr Leu Leu Ser Leu Gln Lys Cys Trp Asp Tyr Arg His Glu Thr			
	35	40	45
Pro Ser Pro Ala Ile Arg Phe Leu Phe Tyr Ile Tyr Met Lys			
	50	55	60

<210> 5712

<211> 194

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (192)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5712

Pro Met Arg Arg Pro Arg Gly Glu Pro Gly Pro Arg Ala Pro Arg Pro			
1	5	10	15
Thr Glu Gly Ala Thr Cys Ala Gly Pro Gly Glu Ser Trp Ser Pro Ser			
	20	25	30
Pro Asn Ser Met Leu Arg Val Leu Leu Ser Ala Gln Thr Ser Pro Ala			
	35	40	45
Arg Leu Ser Gly Leu Leu Leu Ile Pro Pro Val Gln Pro Cys Cys Leu			
	50	55	60

5018

Gly Pro Ser Lys Trp Gly Asp Arg Pro Val Gly Gly Gly Pro Ser Ala
 65 70 75 80
 Gly Pro Val Gln Gly Leu Gln Arg Leu Leu Glu Gln Ala Lys Ser Pro
 85 90 95
 Gly Glu Leu Leu Xaa Trp Leu Gly Gln Asn Pro Ser Lys Val Arg Ala
 100 105 110
 Xaa His Tyr Ser Val Ala Leu Arg Arg Leu Gly Gln Leu Leu Gly Ser
 115 120 125
 Arg Pro Arg Pro Pro Pro Val Glu Gln Val Thr Leu Gln Asp Leu Ser
 130 135 140
 Gln Leu Ile Ile Arg Asn Cys Pro Ser Phe Asp Ile His Thr Ile His
 145 150 155 160
 Val Cys Leu His Leu Ala Val Leu Leu Gly Phe Pro Xaa Asp Gly Pro
 165 170 175
 Leu Val Cys Ala Leu Glu Gln Glu Pro Lys Leu Arg Leu Leu Arg Xaa
 180 185 190
 His Leu

<210> 5713

<211> 275

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5713

Arg Trp Ala Thr Tyr Gly Arg Thr Gly Gly Leu Pro Asn Val Gly Lys

5019

1	5	10	15
Ser Ser Thr Ile Asn Xaa Ile Met Gly Asn Lys Lys Val Ser Val Ser	20	25	30
Ala Thr Pro Gly His Thr Lys His Phe Gln Thr Leu Tyr Val Xaa Pro	35	40	45
Gly Leu Cys Leu Cys Asp Cys Pro Gly Leu Val Met Pro Ser Phe Val	50	55	60
Ser Thr Lys Ala Glu Met Thr Cys Ser Gly Ile Leu Pro Ile Asp Gln	65	70	75
Met Arg Asp His Val Pro Pro Val Ser Leu Val Cys Gln Asn Ile Pro	85	90	95
Arg His Val Leu Xaa Ala Thr Tyr Gly Ile Asn Ile Ile Thr Pro Arg	100	105	110
Glu Asp Glu Asp Pro His Arg Pro Pro Thr Ser Glu Glu Leu Leu Thr	115	120	125
Ala Tyr Gly Tyr Met Arg Gly Phe Met Thr Ala His Gly Gln Pro Asp	130	135	140
Gln Pro Arg Ser Ala Arg Tyr Ile Leu Lys Asp Tyr Val Ser Gly Lys	145	150	155
Leu Leu Tyr Cys His Pro Pro Pro Gly Arg Asp Pro Val Thr Phe Gln	165	170	175
His Gln His Gln Arg Leu Leu Glu Asn Lys Met Asn Ser Asp Glu Ile	180	185	190
Lys Met Gln Leu Gly Arg Asn Lys Lys Ala Lys Gln Ile Glu Asn Ile	195	200	205
Val Asp Lys Thr Phe Phe His Gln Glu Asn Val Arg Ala Leu Thr Lys	210	215	220
Gly Val Gln Ala Val Met Gly Tyr Lys Pro Gly Ser Gly Val Val Thr	225	230	235
Ala Ser Thr Ala Ser Ser Glu Asn Gly Ala Gly Lys Pro Trp Lys Lys	245	250	255
His Gly Asn Arg Asn Lys Lys Glu Lys Ser Arg Arg Leu Tyr Lys His	260	265	270
Leu Asp Met			

5020

275

<210> 5714

<211> 94

<212> PRT

<213> Homo sapiens

<400> 5714

His Glu Leu Glu His Thr Leu Val Met Ala Gly Pro Asn Ser Lys Arg
 1 5 10 15

Gln Thr Gln Gly Val His Val Pro Arg Met Leu Gln Pro Ala Leu Gly
 20 25 30

Pro Arg Val Ser His Glu Asp Trp Pro Pro Leu Cys Thr Gly Ala Arg
 35 40 45

Gly Gly Gln Val Pro Val Leu Ala Arg Leu Leu Ala Ala Val Pro Thr
 50 55 60

Glu Thr Thr Ala Leu Leu Cys Phe Pro Arg Arg Gly Ala Trp Leu Leu
 65 70 75 80

Ala Val Arg Ala Gly Leu Phe Gln Lys Val Gly Pro Cys Pro
 85 90

<210> 5715

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5715

Gly Gln Val Ala Ala Leu Ser Pro Arg Val Val Pro Gly Arg Leu Arg
 1 5 10 15

Ser Ser Pro Lys Arg Gly Cys Ser Ser Gly Lys Gln Val Asn Ser Trp
 20 25 30

Tyr Phe Thr Phe Leu Gly Asn Thr Xaa Asn Glu Asp Leu Gln Leu
 35 40 45

5021

<210> 5716

<211> 71

<212> PRT

<213> Homo sapiens

<400> 5716

Pro Lys Thr Val Ser Lys Met His Ile Lys Ser Ile Ile Leu Glu Gly
1 5 10 15

Phe Lys Ser Tyr Ala Gln Arg Thr Glu Val Asn Gly Phe Asp Pro Leu
20 25 30

Phe Asn Ala Ile Thr Gly Leu Asn Gly Ser Gly Lys Ser Asn Ile Leu
35 40 45

Asp Ser Ile Cys Phe Leu Leu Gly Ile Ser Asn Leu Ser Gln Val Arg
50 55 60

Ala Ser Lys Phe Thr Arg Phe
65 70

<210> 5717

<211> 52

<212> PRT

<213> Homo sapiens

<400> 5717

Pro Thr Tyr Gly Cys Trp Asp Asn Ser Pro Ser Arg Met Tyr Cys Cys
1 5 10 15

Ser Ala Gln Asp Ser Lys Met Asp Tyr Lys Arg Arg Phe Leu Leu Gly
20 25 30

Gly Ser Lys Gln Lys Val Gln Gln His Ser Asn Thr Arg Cys Leu Ser
35 40 45

Trp Ala Glu His
50

<210> 5718

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5022

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5718

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Phe Gly Thr Lys Glu Thr Val Asn Lys Asp Ile Cys Glu Lys Gly Thr
 1           5           10           15

Ile Gln Gln Met Ile Gly Ile Phe Lys Asn Ile Ile Ser Lys Pro Asn
          20           25           30

Glu Lys Glu Glu Ala Ile Val Leu Glu Ile Gln Ser Asp Ile Leu Leu
          35           40           45

Ile Leu Ser Gly Xaa Cys Glu Asn His Ile Gln Arg Lys Glu Ile Phe
          50           55           60

Gly Thr Glu Gly Val Asp Ile Val Leu His Val Met Lys Thr Asp Pro
          65           70           75           80

Arg Lys Leu Gln Ser Gly Leu Gly Tyr Asn Val Leu Leu Phe Ser Thr
          85           90           95

Leu Asp Ser Ile Trp Cys Cys Ile Leu Gly Cys Tyr Pro Ser Glu Asp
          100          105          110

Tyr Phe Leu Glu Lys Glu Gly Ile Phe Leu Leu Leu Asp Leu Leu Ala
          115          120          125

Leu Asn Gln Lys Asn Ser Val Ile
          130          135

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<210> 5719

<211> 67

<212> PRT

<213> Homo sapiens

<400> 5719

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Lys Ser Leu Gly Glu Lys Lys Ser His Thr Val Phe Leu Ala Ile Arg
 1           5           10           15

Ile Met Lys Thr Asn Phe Gly Glu Cys Glu Gln Leu Arg Gln Thr Gly
          20           25           30

His Arg Leu Gln Gly Leu Thr Ser Leu Thr Val Thr Asp Asn Leu Gly
          35           40           45

Met Asp Pro Thr Ala Asp Val Ser Lys Gly His Arg Gly Glu Leu Val
          50           55           60

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5023

Thr Ser Asn

65

<210> 5720

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5720

Leu Ile Arg Xaa Gln Ser Trp Ser Ser Thr Ala Val Ala Ala Ala Leu
1 5 10 15

Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Leu Leu
20 25 30

Gln Lys Gly Tyr Ile Ile Leu Ser Leu Val Ile Gln Arg Tyr Ser
35 40 45

<210> 5721

<211> 100

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5721

Val Leu Leu Asn Trp Ile Ile Gln Tyr Tyr Gly Tyr Asn Val Ile Gln
1 5 10 15

Tyr Tyr Gly Gly Ile Cys Val Ile Ile Xaa Ile Asn Asn Thr Gly Glu
20 25 30

Ile Ser Gly Arg Gln Lys Ser Glu Met Ala Leu Thr Glu Phe Lys Ser
35 40 45

Arg Cys Trp Glu Gly Ser Thr Pro Leu Gly Gly Cys Gly Gly Gly Ser
50 55 60

Ile Ser Leu Pro Ser Pro Thr Tyr Gly Leu Cys Ile Pro Trp Leu Val

5024

65 70 75 80

Ala Pro Ser Ser Ile Phe Lys Ala Ser Ser Val Val Leu Pro Ile Ser

 85 90 95

Leu Ile Phe Leu

 100

<210> 5722
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 5722

Ala Arg Ala Glu Ile Gly Phe Leu Glu Gly Ser Ser Gly Lys Trp Pro

1 5 10 15

Asp Ser Ile Leu Arg Leu Cys Met Thr Ser Arg Tyr Tyr Pro Val Gly

 20 25 30

Val Pro Trp Gly Ala Met Ala Ala Ile Arg Cys Arg Leu Gly Tyr Ile

 35 40 45

Lys Trp Ala Glu Gly Thr Cys Leu Gly Arg Trp Gly Gly Leu Gln

 50 55 60

<210> 5723
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 5723

Phe Met Ile Leu Xaa Tyr Lys Ser Tyr Glu Phe Leu Glu Leu Gln Lys

1 5 10 15

Trp Pro Gly Val Val Ala His Thr Val Asn Pro Gly Thr Leu Gly Gly

 20 25 30

Gln Gly Arg Arg Thr Thr

 35

5025

<210> 5724

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5724

Asp	Glu	Glu	Val	Tyr	Ile	Trp	Val	Ser	Phe	Leu	His	Pro	Val	Glu	Ser
1					5				10					15	

Ser	Arg	Lys	Ser	Gly	Pro	Ile	Leu	Ser	Cys	Ser	Phe	Thr	Glu	Lys	Leu
			20					25					30		

Leu	Ser	Pro	Phe	Xaa	Phe	Leu	Leu	Asn	Glu	Leu	Trp	Ser	Pro	Asp	Leu
		35					40					45			

Leu	Cys	Lys	Gly	Gln	Pro	Asp	Pro	Pro	Phe	Met	His	Ser	Pro	Ser	Glu
	50					55					60				

Ser	Leu	Leu	Val	Ala	Trp	Leu	Glu	Xaa	Ser	Gly	Ile	Phe	Glu	Phe	Trp
65					70					75					80

Pro	Leu	Gln	Leu	Ser	Trp	Gly	Pro	Xaa	Gly	Gly	Leu	Pro	Pro	Leu	
				85					90					95	

<210> 5725

<211> 80

<212> PRT

<213> Homo sapiens

<400> 5725

His	Glu	Gly	Val	Ser	Thr	Ala	Pro	Ser	Gln	Lys	Phe	Tyr	Ile	Phe	Tyr
1				5					10					15	

5026

Arg Gly Lys Lys Thr Leu Tyr Thr Met Ala Arg Pro Phe Leu Ser Gln
 20 25 30

Lys Ala Gly Pro Thr Glu Gln Phe Lys Leu Cys Ser Ser Arg Leu Lys
 35 40 45

Ala Gly Phe Val Glu Glu Leu Gln Leu Leu Ser Arg Ala Asn Pro Val
 50 55 60

Val Ile Gln Gly Glu Cys Lys Leu Ala Ser Leu Asp Arg Asp Gln Ser
 65 70 75 80

<210> 5726
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 5726
 Ile Gln Ile Asn Phe His Ala His Leu Tyr Leu Lys Asp Ser Asp Phe
 1 5 10 15

Ser Leu Ser Gln Leu Arg Asn Ile Arg Leu Asn Pro Ala Val Leu Gln
 20 25 30

Met Phe Leu Leu Arg Leu Lys His Gln Leu Ile Asn Arg Tyr Leu Phe
 35 40 45

Ile Phe Asn
 50

<210> 5727
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 5727
 Pro Xaa Ser Ser Trp Asp Tyr Arg His Thr Pro Pro Cys Pro Ala His
 1 5 10 15

5027

Phe Cys Ile Phe Ser Arg Asp Gly Val Ser Pro Cys Trp Pro Gly Trp
 20 25 30

Leu His Leu Leu Thr Leu
 35

<210> 5728

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5728

Ser Lys Asp Gly Ala Xaa Cys Xaa Lys Ser Lys Asp Leu Leu Lys Gln
 1 5 10 15

Arg Tyr Leu Phe Ala Lys Ala Gly Tyr Pro Leu Arg Arg Ser Gln Ser
 20 25 30

Leu Pro Thr Thr Leu Leu Ser Pro Val Arg Val Val Ser Ser Val Asn
 35 40 45

Val Arg Leu Ser Pro Gly Lys Glu Thr Arg Cys Ser Pro Pro Ser Phe
 50 55 60

Thr Tyr Lys Tyr Thr Pro Glu Glu Glu Gln Glu Leu Glu Lys Arg Val
 65 70 75 80

Met Glu His Asp Gly Gln Ser Leu Val Lys Ser Thr Ile Phe Ile Ser
 85 90 95

Pro Ser Ser Val Lys Lys Glu Glu Ala Pro Gln Ser Xaa Ala Pro Arg
 100 105 110

5028

<210> 5729

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5729

Ile Leu Phe Ala Pro Pro Arg Phe Ala Pro Glu Arg Gln Ser Ser Ser
1 5 10 15

Arg Gly Pro Leu Arg His Arg Tyr Ser Ser Gln Ile Xaa Thr His Phe
20 25 30

Thr Ala Thr Pro Gly Ile Leu Pro Pro Leu Arg Asp Ser Ser Leu Pro
35 40 45

Val Ser Asp Ala Val Pro Arg Leu Ser Pro Gly Ile Ser His Leu Thr
50 55 60

<210> 5730

<211> 63

<212> PRT

<213> Homo sapiens

<400> 5730

Ser Leu Ser Ala Pro Glu Leu Lys Ser Leu Ala Lys Thr Phe His Leu
1 5 10 15

Val Asn Pro Asn Gly Gln Lys Gln Gln Leu Val Asp Ala Phe Leu Lys
20 25 30

Leu Ala Lys Gln Arg Ser Val Cys Thr Trp Gly Lys Asn Lys Pro Gly
35 40 45

Ile Gly Ala Val Ile Leu Lys Arg Phe Cys Trp Leu Leu Leu Gln
50 55 60

5029

<210> 5731

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5731

Glu Met Ser His Lys Glu Arg His Phe Glu Leu Leu Leu Lys Ser Cys
1 5 10 15

Lys Val Ser Tyr Pro Gly Thr Val Phe Leu Asn Gly Asn Val Met Ala
20 25 30

Glu Ser Cys Ser Ile Thr Thr Xaa Gly Leu Val His Gln Val Pro Thr
35 40 45

His Pro Leu Gln Ala Leu Gly Ser Gly Met Cys Pro Ser Trp Lys Xaa
50 55 60

Gln Val Leu Trp Leu Cys Trp Phe Trp Leu Ser Phe Ser Val Thr Phe
65 70 75 80

Gln Tyr Leu Ser Pro Ser Arg Tyr Cys Lys Pro Leu Ser Asn
85 90

<210> 5732

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5732

Gly Xaa Gly Phe Trp Pro Ala Ser Val Ala Arg Val Leu Thr Gly Val
1 5 10 15

5030

Thr Asn His Leu Ala Phe Asn Thr Lys Lys Pro His Ile Leu Arg Asn
 20 25 30

Pro Arg Thr Gln Lys Val Leu Gly Phe Val Ser Asp Ala Glu Gly Trp
 35 40 45

Val Glu Ser Met Lys Pro Thr Gln Arg Asp Asp Ser Thr Ile Cys Ser
 50 55 60

Ile Gly Trp Lys Trp Arg Gly
 65 70

<210> 5733

<211> 85

<212> PRT

<213> Homo sapiens

<400> 5733

His Gln Trp Arg Gly Ala Leu His Ile Leu Cys Gln Gln Gln His Ser
 1 5 10 15

His Thr Arg Trp Phe Trp Ala Leu Cys Arg Leu Val Leu Val Gly Asp
 20 25 30

Thr Gln Gln His Pro Cys Trp Thr Gly Leu Ile Val Arg Ser Leu Arg
 35 40 45

Pro Thr Leu Gln Ser Glu Met Leu Leu Gly Gly Gly Lys Glu Asn Thr
 50 55 60

Phe Phe Pro Pro Cys Gly Asn Glu Glu Arg Gly Lys Trp Ile Gly Lys
 65 70 75 80

Pro Lys Cys Glu Ser
 85

<210> 5734

<211> 123

<212> PRT

<213> Homo sapiens

<400> 5734

Phe Ser Leu Thr Leu Phe Pro Pro Pro Thr Cys His Gln Ala Ser Pro
 1 5 10 15

Lys Pro Thr Ala Met Gly Pro Ser Gly Pro Phe Arg Asp Trp Ser Glu
 20 25 30

5031

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Ile Trp Val Trp Arg Gly Arg Arg Gln Gly Gly Gly Ala Ser His Ser
    35                40                45

Arg Thr Val Asp Glu Arg Asp Arg Leu Arg Arg Lys Trp Ala Leu Arg
    50                55                60

Leu Gln Gly Trp Lys Ser Leu Pro Thr Ser His Ser Pro Ala Pro Ile
    65                70                75                80

Tyr Leu Val Leu Pro Arg Gln Ile Gly Pro Phe Glu Ala Pro Glu Cys
           85                90                95

Pro Gln Met Val Lys Thr Gln Phe Ser Leu Trp Glu Pro Lys Pro Gly
    100                105                110

Cys Ile Gly Gly Gln Asp Pro Asp His Ser Leu
    115                120

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<210> 5735

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

400> 5735

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ys Cys Pro Ile Ala Ser Glu Ala Pro Trp Thr Ile Thr Asp Ala Glu
1              5              10              15

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u Arg Val Xaa Leu Thr Val Glu Asp Ser Gln Pro Tyr Glu Asp Xaa
    20                25                30

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```

u Xaa Gly Arg Ser Ser Leu Ser Lys Val
    35                40

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5032

<210> 5736

<211> 34

<212> PRT

<213> Homo sapiens

<400> 5736

Tyr Pro Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser
 1 5 10 15

Gly Ile Pro Gly Ser Thr His Ala Ser Gly Ile Leu Gly Leu Arg Phe
 20 25 30

Phe Met

<210> 5737

<211> 202

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (167)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (195)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5737

Tyr Ser Arg Pro Gln Ala His Ser Ser Ala Ser Gly Gly Ile Arg Arg
 1 5 10 15

Ser Ser Ser Met Ser Tyr Val Asp Gly Phe Ile Gly Thr Trp Pro Lys
 20 25 30

Glu Lys Arg Ser Ser Val His Gly Val Ser Phe Asp Ile Ser Phe Asp
 35 40 45

Lys Glu Asp Ser Val Gln Arg Ser Thr Pro Asn Arg Gly Ile Thr Arg
 50 55 60

Ser Ile Ser Asn Glu Gly Leu Thr Leu Asn Asn Ser His Val Ser Lys
 65 70 75 80

Iis Ile Arg Lys Asn Leu Ser Phe Lys Pro Ile Asn Gly Glu Glu Glu

5033

	85						90						95					
Ala Glu Ser Ile Glu Glu Glu Leu Asn Ile Asp Ser His Ser Asp Leu																		
	100						105						110					
Lys Ser Cys Val Pro Leu Asn Thr Asn Glu Leu Asn Ser Asn Glu Asn																		
	115						120						125					
Ile His Tyr Lys Leu Pro Asn Gly Ala Leu Gln Asn Arg Ile Leu Leu																		
	130						135						140					
Asp Glu Phe Gly Asn Gln Ile Glu Thr Pro Ser Ile Glu Glu Ala Leu																		
145	150						155						160					
Gln Ile Ile His Asp Thr Xaa Lys Ser Pro His Thr Pro Gln Pro Asp																		
	165						170						175					
Gln Ile Ala Asn Gly Phe Phe Leu His Ser Gln Gly Met Ser Ile Leu																		
	180						185						190					
Asn Ser Xaa Ile Lys Leu Asn Gln Ser Ser																		
	195						200											

<210> 5738

<211> 35

<212> PRT

<213> Homo sapiens

<400> 5738

Gly Arg Ile Ser His Val Gly Ser Arg Thr Glu Gly Ser Arg Leu Pro
1 5 10 15

Ala Gln Cys Ser Leu Cys Ser Thr Met Leu Pro Leu Val Gly Glu Thr
20 25 30

Gly Gln Lys
35

<210> 5739

<211> 35

<212> PRT

:213> Homo sapiens

:400> 5739

Phe Trp Gly Lys Lys Ala Val Ser Arg Gly Phe Ser Lys Gly Asn Thr
 1 5 10 15

5034

Gln Met Ala Lys Lys His Met Gln Arg Cys Ser Met Phe Phe Val Ile
 20 25 30

Arg Lys Met
 35

<210> 5740
 <211> 220
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (117)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 5740
 Glu Lys Thr Ile Leu Thr Gly Glu Cys Cys Tyr Leu Asn Pro Leu Leu
 1 5 10 15

Arg Arg Ile Ile Arg Phe Thr Gly Val Phe Ala Phe Gly Leu Phe Ala
 20 25 30

Thr Asp Ile Phe Val Asn Ala Gly Gln Val Val Thr Gly His Leu Thr
 35 40 45

Pro Tyr Phe Leu Thr Val Cys Lys Pro Asn Tyr Thr Ser Ala Asp Cys
 50 55 60

Xaa Ala His His Gln Phe Ile Asn Asn Gly Asn Ile Cys Thr Gly Asp
 65 70 75 80

Arg Glu Val Ile Glu Lys Ala Arg Arg Ser Phe Pro Ser Lys His Xaa
 85 90 95

Ala Leu Ser Ile Tyr Ser Ala Leu Tyr Ala Thr Met Tyr Ile Thr Ser
 100 105 110

Thr Ile Lys Thr Xaa Ser Ser Arg Leu Ala Lys Pro Val Leu Cys Leu

5035

115	120	125
Gly Thr Leu Cys Thr Ala Phe Leu Thr Gly Leu Asn Arg Val Ser Glu		
130	135	140
Tyr Arg Asn His Cys Ser Asp Val Ile Ala Gly Phe Ile Leu Gly Thr		
145	150	155
Ala Val Ala Leu Phe Leu Gly Met Cys Val Val His Asn Phe Lys Gly		
165	170	175
Thr Gln Gly Ser Pro Ser Lys Pro Lys Pro Glu Asp Pro Arg Gly Val		
180	185	190
Pro Leu Met Ala Phe Pro Arg Ile Glu Ser Pro Leu Glu Thr Leu Ser		
195	200	205
Ala Gln Asn His Ser Ala Ser Met Thr Glu Val Thr		
210	215	220

<210> 5741

<211> 38

<212> PRT

<213> Homo sapiens

<400> 5741

Lys Thr Phe Arg Leu Phe Leu Ala Ile Ser Leu Thr Phe Ala Thr Ile
1 5 10 15
Val Thr Lys His Ser Leu Tyr Met His Pro Pro Asn Val Ser Cys Leu
20 25 30
Phe Ile Gly Lys Leu Tyr
35

<210> 5742

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5036

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5742

Trp Gln Gly His Trp Pro Gly Pro His Leu Pro Ser Ser Xaa Leu Pro
 1 5 10 15

Lys Arg Lys Leu Pro Trp Xaa Ser Arg Pro Leu Asn Ala Asn Ser Trp
 20 25 30

Leu Pro Val Ser Gly Trp Val Asp Leu Thr Trp Pro Leu Leu Ala Gly
 35 40 45

Pro Cys Ser Phe Leu Thr Cys Arg Xaa Glu Gln
 50 55

<210> 5743

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5743

Xaa Leu Val Ala Gly Asp Ile Val Leu Asp Lys Leu Gly Glu Arg Leu
 1 5 10 15

Ala Ile Leu Leu Lys Val Arg Asp Met Val Ser Ser His Val Glu Arg
 20 25 30

Val Phe Gln Ile Tyr Glu Gln His Ala Asp Thr Val Gly Ile Asp Ala
 35 40 45

Val Leu Gln Pro Ser Ala Val Ser Pro Ser Val Ala Asp Met Leu Glu
 50 55 60

Trp Leu Gln Asp Ile Glu Arg His Tyr Arg Lys Ser Tyr Leu Lys Arg
 65 70 75 80

Lys Tyr Leu Leu Ser Ser Ile Gln Trp Gly Asp Leu Ala Asn Ile Gln
 85 90 95

5037

Ala Leu Pro Lys Ala Trp Asp Arg Ile Ser Lys Asp Glu His Gln Asp
 100 105 110

Leu Val Gln Asp Ile Leu Leu Asn Val Ser
 115 120

<210> 5744

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5744

Thr Xaa Asn Phe His Xaa Arg Xaa Glu Val Ile Asn Ser Gly His Gln
 1 5 10 15

Arg Ile Leu Ala Ser Ala Leu Gly Leu Val Met Tyr Gln Val Trp Tyr
 20 25 30

Tyr Phe Leu Phe Val Leu Ile Arg Phe Leu Pro Ser Ser Ser Ile Trp
 35 40 45

Glu Ile Lys Thr Gly Leu Leu Ala Trp Leu Val Thr Glu Arg Gln Ala
 50 55 60

His Ser

65

<210> 5745

<211> 59

<212> PRT

<213> Homo sapiens

5038

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5745

Ser	Phe	Pro	Pro	Arg	Asn	Ser	Pro	Arg	Leu	Lys	Thr	Xaa	Leu	His	Tyr
1				5					10					15	

Gln	Val	Met	Arg	Cys	Glu	Gly	Gly	Ser	Leu	Lys	Val	Glu	Asn	Leu	Gly
			20					25					30		

Val	Glu	Ala	Thr	Val	Pro	Ser	Trp	Xaa	Leu	Ser	Phe	Leu	Ile	Cys	Glu
		35					40					45			

Met	Arg	Val	Asn	Val	Lys	Leu	Leu	Cys	Lys	Met
	50					55				

<210> 5746

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5746

Lys	Ala	Thr	Leu	Leu	Ser	Cys	Glu	Ala	His	His	Leu	Ser	Leu	Ala	Leu
1				5					10					15	

Gly	Ser	Ser	Cys	Arg	Arg	Ser	Leu	Gly	Pro	Leu	Met	His	Pro	Phe	Gln
			20					25					30		

Gln	Thr	Phe	His	Phe	Gly	Val	Arg	Xaa	Asp	Phe	Leu	Ala	Leu	Gln	Gly
		35					40					45			

5039

Ala Pro Ala Ser Ser Cys Ile Pro Cys Pro Gly Pro Gly Ile Ser Pro
 50 55 60

Phe Ser Lys Glu Pro Arg Val Leu Leu Leu Ala Ser Leu Lys Arg Val
 65 70 75 80

Arg Pro Gly Cys Gln Ala Gly Ser Pro Arg Ser Phe Tyr Trp Glu Val
 85 90 95

Leu Glu Ser Glu Ala Trp Val Pro Gly Gly Cys Gln Val Gly Xaa Val
 100 105 110

Leu Leu Gly Cys Cys
 115

<210> 5747

<211> 52

<212> PRT

<213> Homo sapiens

<400> 5747

Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Gly Ser Thr Ala Val Thr
 1 5 10 15

Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
 20 25 30

Gly Leu Val Arg Val Phe Phe Phe Phe Phe Phe Lys Thr Asn Thr Phe
 35 40 45

Ile Ala His Leu
 50

<210> 5748

<211> 270

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (266)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5748

Thr Leu Glu Gln Glu Gln Glu Ala Leu Val Asn Arg Leu Trp Lys Arg
 1 5 10 15

5041

<211> 67

<212> PRT

<213> Homo sapiens

<400> 5749

Val Ile Gln Val Tyr Thr Ser Val Lys Ile Gln Arg Met Tyr Thr Gln
 1 5 10 15

Asp Leu Cys Ile Ser Leu Tyr Val Asn Val Thr Leu Lys Cys Cys Lys
 20 25 30

Gln Ile Leu Asn Lys Tyr Thr His Ala Lys Val Phe Lys Arg Lys Tyr
 35 40 45

Trp Cys Leu Gln Asn Lys Asn Phe Phe Ser Ile Phe Cys Gly Lys Ile
 50 55 60

Tyr Ile Ile
 65

<210> 5750

<211> 152

<212> PRT

<213> Homo sapiens

<400> 5750

Pro Arg Gly Ser Val Gly Val Ser Ser Glu Leu His Gln Phe Pro Gly
 1 5 10 15

Tyr Leu Gly Pro Trp Ile Thr Leu Arg Ser Ala Thr Cys Gln Leu Ile
 20 25 30

Ser Lys Leu Leu Leu Ala Gly Leu Arg Leu Ser Arg Glu His Leu Gly
 35 40 45

Glu Pro Cys Ala Ala Gly Trp Thr Pro Ala His Leu Ala Asp Tyr Ser
 50 55 60

Cys Phe Cys Ser Pro Val Cys Pro Gln Glu Val Arg Ala Cys Leu Leu
 65 70 75 80

Phe Leu His Asp His Gly Arg Arg Gly Thr Asn Met Arg Val Leu Ala
 85 90 95

Ser Pro Gln Trp Trp Leu Pro Arg Ala Gly Glu Thr Leu Gly Glu Gly
 100 105 110

Leu Gly Gln Gly Pro Leu Ser Leu Ala Ala Thr Ala Trp Val Asn Cys
 115 120 125

5042

Leu Ala Arg Leu Ala Ala Arg Ala Gln Lys Ala Glu Ala Leu Pro Ala
 130 135 140

Phe Ser Ser His Pro Ala Pro Met
 145 150

<210> 5751

<211> 98

<212> PRT

<213> Homo sapiens

<400> 5751

Arg Val Ala Val Glu Asp Val Ser Met Val Lys Gln Lys Asn Thr Thr
 1 5 10 15

Phe Leu Trp Lys Glu Ile Leu Lys Gln Gln Ser Gln Ile Val Lys Met
 20 25 30

Leu Arg Ile Ser Val Pro Pro Leu Thr Ser Val Ser Val Lys Pro Gln
 35 40 45

Leu Gly Cys Thr Glu Asp Tyr Leu Leu Ser Lys Leu Pro Ser Asp Gly
 50 55 60

Lys Glu Val Pro Phe Val Val Arg Lys Phe Lys Leu Ser Tyr Ile Gln
 65 70 75 80

Pro Arg Thr Gln Glu Thr Pro Ser His Leu Glu Glu Leu Glu Gly Ser
 85 90 95

Ala Gly

<210> 5752

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5752

Asp Arg Lys Arg Asp Leu Thr Ser Pro Trp Arg Leu Ser Val Ser Ala
 1 5 10 15

5043

Glu Ala Leu Gly Leu Ala Leu Gly Leu Cys Ile Pro Glu Ser Cys Cys
 20 25 30
 Met Pro Gly Ile Gly Phe Gln Ala Cys Leu Ser Phe Ser Ser Leu Pro
 35 40 45
 Gly Ile Ala Met Arg Trp Glu Gly Glu Pro Ser Ser Pro Ala Glu Ile
 50 55 60
 Pro Ala Ala Trp Gln Pro Ala Gly Gly Ser Trp Ile Pro Arg Gly Asp
 65 70 75 80
 Xaa Thr Asp Ala Leu Trp Phe His Val Ile Trp Ile
 85 90

<210> 5753

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5753

Pro Arg Arg His Arg Val Pro Gly Ser Gly Phe Ala Phe Pro Lys Asn
 1 5 10 15

5044

Glu Asn Lys Leu Leu Pro Lys Glu Leu Val Phe Pro Leu Leu Phe Ser
 20 25 30
 Asn Cys Glu Gly Pro Arg Gly Val Glu His Gly Ala Pro His Lys Pro
 35 40 45
 Xaa Gly Trp Cys Pro Gly Tyr Gln Gly His Ala Xaa Gly Leu Asp Asp
 50 55 60
 Leu Ser Leu Gln Gly Ala Leu Val Val Xaa Asn Trp Leu Lys Val Thr
 65 70 75 80
 Xaa Glu Gly Xaa Cys Gly Asn Trp
 85

<210> 5754

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5754

Lys Ile Phe Ser Phe Ala Val Pro Asp Pro Leu Met Pro Asp Pro Xaa
 1 5 10 15

Lys Gln Pro Lys Asn Gln Leu Asn Pro Ile Gly Ser
 20 25

<210> 5755

<211> 75

<212> PRT

<213> Homo sapiens

<400> 5755

Arg Met Asn Ile Cys Val Ser Val Cys Val Ser Glu Leu Cys Asp Phe
 1 5 10 15

Ile Arg Gly Ile Cys Gln Phe Ser His Cys Gly Ser Phe Ser Asp Phe
 20 25 30

Ala Cys Ser Ser Ser Lys Glu Ala Arg Ser Phe Ala Asp Phe Thr Ile
 35 40 45

5045

Pro Gln Thr Cys Lys Phe Leu Thr Ser Ser Lys Leu Ala Leu Ala Leu
50 55 60

Ser Ser Thr Phe Pro Phe Lys Ser Asn Leu Cys
65 70 75

<210> 5756

<211> 540

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

 $\langle 222 \rangle \quad (320)$

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (508)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5756

Thr Met Asp Glu Glu Glu Lys Asp Asp Gly Glu Ala Lys Glu Ile Ser
1 5 10 15

Thr Pro Thr His Trp Ser Lys Leu Asp Pro Lys Thr Met Lys Val Asn
20 25 30

Asp Leu Arg Lys Glu Leu Glu Ser Arg Ala Leu Ser Ser Lys Gly Leu
35 40 45

Lys Ser Gln Leu Ile Ala Arg Leu Thr Lys Gln Leu Lys Val Glu Glu
50 55 60

Gln Lys Glu Glu Gln Lys Glu Leu Glu Lys Ser Glu Lys Glu Glu Asp
65 70 75 80

Glu Asp Asp Asp Arg Lys Ser Glu Asp Asp Lys Glu Glu Glu Glu Arg
85 90 95

Lys Arg Gln Glu Glu Ile Glu Arg Gln Arg Arg Glu Arg Arg Tyr Ile
100 105 110

Leu Pro Asp Glu Pro Ala Ile Ile Val His Pro Asn Trp Ala Ala Lys
115 120 125

Ser Gly Lys Phe Asp Cys Ser Ile Met Ser Leu Ser Val Leu Leu Asp
130 135 140

5046

Tyr Arg Leu Glu Asp Asn Lys Glu His Ser Phe Glu Val Ser Leu Phe
 145 150 155 160
 Ala Glu Leu Phe Asn Glu Met Leu Gln Arg Asp Phe Gly Val Arg Ile
 165 170 175
 Tyr Lys Ser Leu Leu Ser Leu Pro Glu Lys Glu Asp Lys Lys Glu Lys
 180 185 190
 Asp Lys Lys Ser Lys Lys Asp Glu Arg Lys Asp Lys Lys Glu Glu Arg
 195 200 205
 Asp Asp Glu Thr Asp Glu Pro Lys Pro Lys Arg Arg Lys Ser Gly Asp
 210 215 220
 Asp Lys Asp Lys Lys Glu Asp Arg Asp Glu Arg Lys Lys Glu Asp Lys
 225 230 235 240
 Arg Lys Asp Asp Ser Lys Asp Asp Asp Glu Thr Glu Glu Asp Asn Asn
 245 250 255
 Gln Asp Glu Tyr Asp Pro Met Glu Ala Glu Glu Ala Glu Asp Glu Glu
 260 265 270
 Asp Asp Arg Asp Glu Glu Glu Met Thr Lys Arg Asp Asp Lys Arg Asp
 275 280 285
 Ile Asn Arg Tyr Cys Lys Glu Arg Pro Ser Lys Asp Lys Glu Lys Glu
 290 295 300
 Lys Thr Gln Met Ile Thr Ile Asn Arg Asp Leu Leu Met Ala Phe Xaa
 305 310 315 320
 Tyr Phe Asp Gln Ser His Cys Gly Tyr Leu Leu Glu Lys Asp Leu Glu
 325 330 335
 Glu Ile Leu Tyr Thr Leu Gly Leu His Leu Ser Arg Ala Gln Val Lys
 340 345 350
 Lys Leu Leu Asn Lys Val Val Leu Arg Glu Ser Cys Phe Tyr Arg Lys
 355 360 365
 Leu Thr Asp Thr Ser Lys Asp Glu Glu Asn His Glu Glu Ser Glu Ser
 370 375 380
 Leu Gln Glu Asp Met Leu Gly Asn Arg Leu Leu Leu Pro Thr Pro Thr
 385 390 395 400
 Val Lys Gln Glu Ser Lys Asp Val Glu Glu Asn Val Gly Leu Ile Val
 405 410 415

5047

Tyr Asn Gly Ala Met Val Asp Val Gly Ser Leu Leu Gln Lys Leu Glu
 420 425 430

Lys Ser Glu Lys Val Arg Ala Glu Val Glu Gln Lys Leu Gln Leu Leu
 435 440 445

Glu Glu Lys Thr Asp Glu Asp Glu Lys Thr Ile Leu Asn Leu Glu Asn
 450 455 460

Ser Asn Lys Ser Leu Ser Gly Glu Leu Arg Glu Val Lys Lys Asp Leu
 465 470 475 480

Ser Gln Leu Gln Glu Asn Leu Lys Ile Ser Glu Asn Met Asn Leu Gln
 485 490 495

Phe Glu Asn Gln Met Asn Lys Thr Ile Arg Asn Xaa Ser Thr Val Met
 500 505 510

Asp Glu Ile His Thr Val Leu Lys Lys Asp Asn Val Lys Asn Glu Asp
 515 520 525

Lys Asp Gln Lys Ser Lys Glu Asn Gly Ala Ser Val
 530 535 540

<210> 5757

<211> 231

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (201)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (220)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5757

Glu Lys Gln Ala Glu Ile Leu Glu Tyr Ala Tyr His Gly Gln Ile Ala
 1 5 10 15

5048

Ile Val Ala Pro Glu Ala Leu Leu Ala Gly His Asn Tyr Thr Leu Lys
 20 25 30
 Ile Glu Tyr Ser Ala Asn Ile Ser Ser Ser Tyr Tyr Gly Phe Tyr Gly
 35 40 45
 Phe Ser Tyr Thr Asp Glu Ser Asn Glu Lys Lys Tyr Phe Ala Ala Thr
 50 55 60
 Gln Phe Glu Pro Leu Ala Ala Arg Ser Ala Phe Pro Cys Phe Asp Glu
 65 70 75 80
 Pro Ala Phe Lys Ala Thr Phe Ile Ile Lys Ile Ile Arg Asp Glu Gln
 85 90 95
 Tyr Thr Ala Leu Ser Asn Met Pro Lys Lys Ser Ser Val Val Leu Asp
 100 105 110
 Asp Gly Leu Val Gln Asp Glu Phe Ser Glu Ser Val Lys Met Ser Thr
 115 120 125
 Tyr Leu Val Ala Phe Ile Val Gly Glu Met Lys Asn Leu Ser Gln Asp
 130 135 140
 Val Asn Gly Thr Leu Val Ser Ile Tyr Ala Val Pro Glu Lys Ile Gly
 145 150 155 160
 Gln Val His Tyr Ala Leu Glu Thr Thr Val Lys Leu Leu Glu Phe Phe
 165 170 175
 Gln Asn Tyr Phe Glu Ile Gln Tyr Pro Leu Lys Lys Leu Asp Leu Val
 180 185 190
 Ala Ile Pro Asp Phe Glu Ala Arg Xaa Asn Gly Lys Leu Gly Phe Cys
 195 200 205
 Ser Pro Ser Glu Lys Xaa Thr Leu Leu Phe Asp Xaa Tyr Thr Ser Ser
 210 215 220
 Met Ala Asp Lys Lys Ala Gly
 225 230

<210> 5758

<211> 294

<212> PRT

<213> Homo sapiens

<400> 5758

Asn Met Thr Glu Asp Ser Gln Arg Asn Phe Arg Ser Val Tyr Tyr Glu

5049

1	5	10	15
Lys Val Gly Phe Arg Gly Val Glu Glu Lys Lys Ser Leu Glu Ile Leu	20	25	30
Leu Lys Asp Asp Arg Leu Asp Thr Glu Lys Leu Cys Thr Phe Ser Gln	35	40	45
Arg Phe Pro Leu Pro Ser Met Tyr Arg Ala Leu Val Trp Lys Val Leu	50	55	60
Leu Gly Ile Leu Pro Pro His His Glu Ser His Ala Lys Val Met Met	65	70	75
Tyr Arg Lys Glu Gln Tyr Leu Asp Val Leu His Ala Leu Lys Val Val	85	90	95
Arg Phe Val Ser Asp Ala Thr Pro Gln Ala Glu Val Tyr Leu Arg Met	100	105	110
Tyr Gln Leu Glu Ser Gly Lys Leu Pro Arg Ser Pro Ser Phe Pro Leu	115	120	125
Glu Pro Asp Asp Glu Val Phe Leu Ala Ile Ala Lys Ala Met Glu Glu	130	135	140
Met Val Glu Asp Ser Val Asp Cys Tyr Trp Ile Thr Arg Arg Phe Val	145	150	155
Asn Gln Leu Asn Thr Lys Tyr Arg Asp Ser Leu Pro Gln Leu Pro Lys	165	170	175
Ala Phe Glu Gln Tyr Leu Asn Leu Glu Asp Gly Arg Leu Leu Thr His	180	185	190
Leu Arg Met Cys Ser Ala Ala Pro Lys Leu Pro Tyr Asp Leu Trp Phe	195	200	205
Lys Arg Cys Phe Ala Gly Cys Leu Pro Glu Ser Ser Leu Gln Arg Val	210	215	220
Trp Asp Lys Val Val Ser Gly Ser Cys Lys Ile Leu Val Phe Val Ala	225	230	235
Val Glu Ile Leu Leu Thr Phe Lys Ile Lys Val Met Ala Leu Asn Ser	245	250	255
Ala Glu Lys Ile Thr Lys Phe Leu Glu Asn Ile Pro Gln Asp Ser Ser	260	265	270
Asp Ala Ile Val Ser Lys Ala Ile Asp Leu Trp His Lys His Cys Gly			

5050

275 280 285
 Thr Pro Val His Ser Ser
 290

<210> 5759
 <211> 431
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 5759
 Xaa Phe Gly Ala Xaa Gly Thr Val Glu Ser Glu Thr Ser Pro Asp Arg
 1 5 10 15
 Asp Lys Lys Lys Glu Gln Ser Glu Val Ser Val Ser Pro Arg Ala Ser
 20 25 30
 Lys His His Tyr Ser Arg Ser Arg Ser Arg Ser Arg Glu Arg Lys Arg
 35 40 45
 Lys Ser Asp Asn Glu Gly Arg Lys His Arg Ser Arg Ser Arg Ser Lys
 50 55 60
 Glu Gly Arg Arg His Glu Ser Lys Asp Lys Ser Ser Lys Lys His Lys
 65 70 75 80
 Ser Glu Glu His Asn Asp Lys Glu His Ser Ser Asp Lys Gly Arg Glu
 85 90 95
 Arg Leu Asn Ser Ser Glu Asn Gly Glu Asp Arg His Lys Arg Lys Glu
 100 105 110
 Arg Lys Ser Ser Arg Gly Arg Ser His Ser Arg Ser Arg Ser Arg Glu
 115 120 125
 Arg Arg His Arg Ser Arg Ser Arg Glu Arg Lys Lys Ser Arg Ser Arg
 130 135 140
 Ser Arg Glu Arg Lys Lys Ser Arg Ser Arg Ser Arg Glu Arg Lys Lys

5051

145		150		155		160
Ser Arg Ser Arg	Ser Arg Glu Arg Lys Arg Arg Ile Arg Ser Arg Ser					
	165		170		175	
Arg Ser Arg Ser	Arg His Arg His Arg Thr Arg Ser Arg Ser Arg Thr					
	180		185		190	
Arg Ser Arg Ser	Arg Asp Arg Lys Lys Arg Ile Glu Lys Pro Arg Arg					
	195		200		205	
Phe Ser Arg Ser	Leu Ser Arg Thr Pro Ser Pro Pro Pro Phe Arg Gly					
	210		215		220	
Arg Asn Thr Ala	Met Asp Ala Gln Glu Ala Leu Ala Arg Arg Leu Glu					
	225		230		235	
Arg Ala Lys Lys	Leu Gln Glu Gln Arg Glu Lys Glu Met Val Glu Lys					
	245		250		255	
Gln Lys Gln Gln	Glu Ile Ala Ala Ala Ala Ala Thr Gly Gly Ser					
	260		265		270	
Val Leu Asn Val	Ala Ala Leu Leu Ala Ser Gly Thr Gln Val Thr Pro					
	275		280		285	
Gln Ile Ala Met	Ala Ala Gln Met Ala Ala Leu Gln Ala Lys Ala Leu					
	290		295		300	
Ala Glu Thr Gly	Ile Ala Val Pro Ser Tyr Tyr Asn Pro Ala Ala Val					
	305		310		315	
Asn Pro Met Lys	Phe Ala Glu Gln Glu Lys Lys Arg Lys Met Leu Trp					
	325		330		335	
Gln Gly Lys Lys	Glu Gly Asp Lys Ser Gln Ser Ala Glu Ile Trp Glu					
	340		345		350	
Lys Leu Asn Phe	Gly Asn Lys Asp Gln Asn Val Lys Phe Arg Lys Leu					
	355		360		365	
Met Gly Ile Lys	Ser Glu Asp Glu Ala Gly Cys Ser Ser Val Asp Glu					
	370		375		380	
Glu Ser Tyr Lys	Thr Leu Lys Gln Gln Glu Glu Val Phe Arg Asn Leu					
	385		390		395	
Asp Ala Gln Tyr	Glu Met Ala Arg Ser Gln Thr His Thr Gln Arg Gly					
	405		410		415	
Met Gly Leu Gly	Phe Thr Ser Ser Met Arg Gly Met Asp Ala Val					

5052

420

425

430

<210> 5760

<211> 59

<212> PRT

<213> Homo sapiens

<400> 5760

Ala Gly Val Phe Ile Gly Glu Arg Lys Cys Val Val Trp Ala Gly Leu

1

5

10

15

Leu Val Glu Ala Gly Phe Leu Ala His Leu Leu Tyr Met Leu Pro Met

20

25

30

Asp Leu Arg Leu Glu Met Leu Lys Val Glu Trp Asn Tyr Phe Pro Pro

35

40

45

Lys Thr Phe Ile Tyr Ser Thr Pro Leu Tyr Pro

50

55

<210> 5761

<211> 99

<212> PRT

<213> Homo sapiens

<400> 5761

Val Ile Phe Tyr Phe Thr Asn Lys Gly Thr Lys Ser Met Asn Ile Ser

1

5

10

15

Leu Phe Leu Ile Ile Ser Ala Leu Lys Tyr Phe Gly Tyr Leu Ala Pro

20

25

30

Val Arg Ala Asp Trp His Cys Leu Val Gln Glu Val Cys Ser Arg Cys

35

40

45

Ser Ala Ser Glu Leu His Tyr Asp Cys Pro Pro Thr Asn His Pro Pro

50

55

60

Ala Ser Pro Arg Glu Arg Gly Ile Gln Arg Gly Thr Val Leu Thr Arg

65

70

75

80

Ser Ser Gln Leu Asp Pro Gly Gln Arg Asn Pro Tyr Pro Gly Thr Leu

85

90

95

Ser Leu Ser

5053

<210> 5762

<211> 48

<212> PRT

<213> Homo sapiens

<400> 5762

Pro Pro Ser Leu Thr Lys Gly Asn Lys Ser Trp Cys Ser Thr Ala Val
 1 5 10 15

Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
 20 25 30

Arg Phe Pro Leu Phe Leu Gly Val Ser Ile Leu Ser Pro Trp Lys Met
 35 40 45

<210> 5763

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5763

Trp Asn Glu His Arg Pro Leu Asn Pro Arg Tyr Glu Phe Lys Ser Gln
 1 5 10 15

Leu Trp Arg Trp Leu Leu Lys Val Ser Val Pro Ser Phe Phe Xaa Leu
 20 25 30

Tyr Lys Val Asp Ile Thr Ile Ser Asn Leu Gln Ser His Trp Glu Leu
 35 40 45

5054

Tyr Met Gln Arg Leu Gly Lys Ala Pro Gly Thr Trp Gln Ala Ile Ser
 50 55 60
 Lys Cys Trp Leu Leu Leu Leu Ser Leu Pro Phe Ser Gln Ser Ile
 65 70 75 80
 Ile Ile Ser Leu Xaa Xaa Gly Thr Met Ser Tyr Leu Pro Leu Tyr Phe
 85 90 95
 Pro Gln Tyr Phe Pro
 100

<210> 5764

<211> 136

<212> PRT

<213> Homo sapiens

<400> 5764

Cys Val Ile Leu Thr Lys Gly Ser Ser Leu Gly Gln Pro Ser Pro Gly
 1 5 10 15
 Leu Gly His Ile His Leu Val Ala Lys Pro Leu Leu Gly Pro Lys Tyr
 20 25 30
 Thr Pro Glu Ser Cys Gln Arg Lys Glu Ile Phe Lys Lys His Arg Gln
 35 40 45
 Ile Val Cys Lys Trp Lys Ile Pro Ile Gly Leu Asp Ser Cys Gly Gly
 50 55 60
 Lys Thr Ser Trp Val Pro Gly Gly Cys Gln Ser Trp Glu Leu Cys Arg
 65 70 75 80
 Tyr Glu Ser Gly Lys Ala Gln Arg Gln Ala Glu Ser Leu Tyr Gly Asp
 85 90 95
 Asn Leu Gln Cys Leu Leu Gly Phe Pro Asn Asn Leu Gly Val Gln Ser
 100 105 110
 Ile Gly Phe Phe Ser Pro Leu Pro Thr Pro Arg Lys Ile Ile Arg Lys
 115 120 125
 Met Phe Arg Arg Lys Glu Lys Asn
 130 135

<210> 5765

5055

<211> 168

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (160)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (161)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (167)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5765

Val	Arg	Val	Gln	Glu	Val	Val	Lys	Glu	Asn	Glu	Glu	Leu	His	Gln	Glu
1				5					10					15	

Leu	Asn	Lys	Ser	Ser	Ala	Val	Thr	Ser	Glu	Glu	Trp	Arg	Gln	Leu	Gln
			20					25					30		

Thr	Xaa	Ala	Lys	Leu	Val	Leu	Glu	Glu	Asn	Lys	Leu	Leu	Leu	Glu	Gln
		35					40					45			

Leu	Glu	Ile	Gln	Gln	Arg	Lys	Ala	Lys	Asp	Ser	His	Gln	Glu	Arg	Leu
	50					55					60				

Gln	Glu	Val	Ser	Lys	Leu	Thr	Lys	Gln	Leu	Met	Leu	Leu	Glu	Ala	Lys
65					70					75					80

Thr	His	Gly	Gln	Glu	Lys	Glu	Leu	Ala	Glu	Asn	Arg	Glu	Gln	Leu	Glu
			85						90					95	

Ile	Leu	Arg	Ala	Lys	Cys	Gln	Glu	Leu	Lys	Thr	His	Ser	Asp	Gly	Lys
			100					105						110	

5056

Ile Ala Val Glu Val His Lys Ser Ile Val Asn Glu Leu Lys Ser Gln
 115 120 125

Leu Gln Lys Glu Glu Xaa Lys Glu Arg Ala Glu Met Glu Glu Leu Met
 130 135 140

Glu Lys Leu Thr Val Leu Gln Ala Gln Lys Lys Ser Leu Leu Leu Xaa
 145 150 155 160

Xaa Asn Ile Leu Thr Glu Xaa Asn
 165

<210> 5766

<211> 135

<212> PRT

<213> Homo sapiens

<400> 5766

Ile Arg His Glu Val Val Gly Gly Ser Gly Gly Val Tyr Ala Leu Cys
 1 5 10 15

Ser Ala His Leu Ala Asn Val Val Met Asn Trp Ala Gly Met Arg Cys
 20 25 30

Pro Tyr Lys Leu Leu Arg Met Val Leu Ala Leu Val Cys Met Ser Ser
 35 40 45

Glu Val Gly Arg Ala Val Trp Leu Arg Phe Ser Pro Pro Leu Pro Ala
 50 55 60

Ser Gly Pro Gln Pro Ser Phe Met Ala His Leu Ala Gly Ala Val Val
 65 70 75 80

Gly Val Ser Met Gly Leu Thr Ile Leu Arg Ser Tyr Glu Glu Arg Leu
 85 90 95

Arg Asp Gln Cys Gly Trp Trp Val Val Leu Leu Ala Tyr Gly Thr Phe
 100 105 110

Leu Leu Phe Ala Val Phe Trp Asn Val Phe Ala Tyr Asp Leu Leu Gly
 115 120 125

Ala His Ile Pro Pro Pro Pro
 130 135

<210> 5767

<211> 351

5057

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5767

Ile	Arg	His	Glu	Ile	Leu	Trp	Leu	Leu	Cys	Ser	His	Arg	Pro	Ala	Pro
1				5					10					15	

Gly	Arg	Pro	Pro	Thr	His	Asn	Ala	His	Asn	Trp	Arg	Leu	Gly	Gln	Ala
			20					25					30		

Pro	Ala	Xaa	Trp	Tyr	Asn	Asp	Thr	Tyr	Pro	Leu	Ser	Pro	Pro	Gln	Arg
		35					40					45			

Thr	Pro	Ala	Gly	Ile	Arg	Tyr	Arg	Ile	Ala	Val	Ile	Ala	Asp	Leu	Asp
	50					55					60				

Thr	Glu	Ser	Arg	Ala	Gln	Glu	Glu	Asn	Thr	Trp	Phe	Ser	Tyr	Leu	Lys
65					70					75					80

Lys	Gly	Tyr	Leu	Thr	Leu	Ser	Asp	Ser	Gly	Asp	Lys	Val	Ala	Val	Glu
				85					90					95	

Trp	Asp	Lys	Asp	His	Gly	Val	Leu	Glu	Ser	His	Leu	Ala	Glu	Lys	Gly
		100						105					110		

Arg	Gly	Met	Glu	Leu	Ser	Asp	Leu	Ile	Val	Phe	Asn	Gly	Lys	Leu	Tyr
		115					120					125			

Ser	Val	Asp	Asp	Arg	Thr	Gly	Val	Val	Tyr	Gln	Ile	Glu	Gly	Ser	Lys
		130				135					140				

Ala	Val	Pro	Trp	Val	Ile	Leu	Ser	Asp	Gly	Asp	Gly	Thr	Val	Glu	Lys
145					150					155					160

Gly	Phe	Lys	Ala	Glu	Trp	Leu	Ala	Val	Lys	Asp	Glu	Arg	Leu	Tyr	Val
				165					170					175	

Gly	Gly	Leu	Gly	Lys	Glu	Trp	Thr	Thr	Thr	Thr	Gly	Asp	Val	Val	Asn
		180						185					190		

Glu	Asn	Pro	Glu	Trp	Val	Lys	Val	Val	Gly	Tyr	Lys	Gly	Ser	Val	Asp
		195					200					205			

His	Glu	Asn	Trp	Val	Ser	Asn	Tyr	Asn	Ala	Leu	Arg	Ala	Ala	Ala	Gly
		210					215				220				

5058

Ile Gln Pro Pro Gly Tyr Leu Ile His Glu Ser Ala Cys Trp Ser Asp
 225 230 235 240

Thr Leu Gln Arg Trp Phe Phe Leu Pro Arg Arg Ala Ser Gln Glu Arg
 245 250 255

Tyr Ser Glu Lys Asp Asp Glu Arg Lys Gly Ala Asn Leu Leu Leu Ser
 260 265 270

Ala Ser Pro Asp Phe Gly Asp Ile Ala Val Ser His Val Gly Ala Val
 275 280 285

Val Pro Thr His Gly Phe Ser Ser Phe Lys Phe Ile Pro Asn Thr Asp
 290 295 300

Asp Gln Ile Ile Val Ala Leu Lys Ser Glu Glu Asp Ser Gly Arg Val
 305 310 315 320

Ala Ser Tyr Ile Met Ala Phe Thr Leu Asp Gly Arg Phe Leu Leu Pro
 325 330 335

Glu Thr Lys Ile Gly Ser Val Lys Tyr Glu Gly Ile Glu Phe Ile
 340 345 350

<210> 5768

<211> 55

<212> PRT

<213> Homo sapiens

<400> 5768

Asn Tyr Gln Ile Ser Glu Ile Tyr Phe Leu Leu Val Thr Met Lys Ser
 1 5 10 15

Thr Phe Thr Leu Glu Ser Asn Cys Asn Thr Pro Lys Ile Arg Ala Thr
 20 25 30

Lys Gly Met Tyr Gly Ala Phe Phe Asn Leu Lys Asn Cys Ile Leu Phe
 35 40 45

Leu Ile Pro Tyr Leu Lys His
 50 55

<210> 5769

<211> 121

<212> PRT

<213> Homo sapiens

5059

<400> 5769

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Tyr Pro Phe Phe Thr Leu Cys Gln Arg Asn Arg Val Phe Asp Ile Ser
 1             5             10             15

Ser Tyr Val Lys Glu Met Leu Gln Asn Val Asn Cys Phe Lys Leu Lys
          20             25             30

Leu Pro Leu Lys Arg Pro Arg Tyr Ile Tyr Leu Ile Val Tyr Ile Met
      35             40             45

Phe Asn Ile Cys Gln Ser Ile Leu Gln Val Cys Ser Phe Ile Ser Ile
      50             55             60

Lys Tyr Gly Tyr Tyr Val Ala Gln Leu Leu Lys Trp Tyr Cys Ile Val
 65             70             75             80

Tyr Ile Cys Thr Pro Asn Asn Ile Val Cys Thr Phe Cys Phe Leu Tyr
          85             90             95

Cys Ile Cys Ala Gly Phe Phe Arg Leu Tyr Gln Cys Asn Leu Cys Leu
      100             105             110

Leu Arg Tyr Val Gln Lys Met Ser Ile
      115             120

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<210> 5770

<211> 191

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (181)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5770

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Glu Phe Gly Thr Ser His Trp Asp Met Ser Leu Pro Leu Ile Val Thr
 1             5             10             15

Leu Ser Thr Ile Ser Ile Ile Leu Leu Ala Ala Met Ile Thr Ile Ala
          20             25             30

Val Lys Cys Lys Arg Glu Asn Lys Glu Ile Arg Thr Tyr Asn Cys Arg
      35             40             45

Ile Ala Glu Tyr Ser His Pro Gln Leu Gly Gly Gly Lys Gly Lys Lys
      50             55             60

Lys Lys Ile Asn Lys Asn Asp Ile Met Leu Val Gln Ser Glu Val Glu

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5060

65		70		75		80									
Glu	Arg	Asn	Ala	Met	Asn	Val	Met	Asn	Val	Val	Ser	Ser	Pro	Ser	Leu
				85					90					95	
Ala	Thr	Ser	Pro	Met	Tyr	Phe	Asp	Tyr	Gln	Thr	Arg	Leu	Pro	Leu	Ser
			100					105					110		
Ser	Pro	Arg	Ser	Glu	Val	Met	Tyr	Leu	Lys	Pro	Ala	Ser	Asn	Asn	Leu
			115					120					125		
Thr	Val	Pro	Gln	Gly	His	Ala	Gly	Cys	His	Thr	Ser	Phe	Thr	Gly	Gln
			130				135					140			
Gly	Thr	Asn	Ala	Ser	Glu	Thr	Pro	Ala	Thr	Arg	Met	Ser	Ile	Ile	Gln
145					150					155					160
Thr	Asp	Asn	Phe	Pro	Ala	Glu	Pro	Asn	Tyr	Met	Gly	Ser	Arg	Gln	Gln
				165					170					175	
Phe	Val	Gln	Ser	Xaa	Ser	Thr	Phe	Lys	Asp	Pro	Glu	Arg	Pro	Ala	
			180					185					190		

<210> 5771

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5771

Arg	Xaa	Pro	Xaa	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala
1				5					10					15	

Val	Thr	Thr	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser
			20					25					30		

5061

[illegible]

<210> 5772

<211> 399

<212> PRT

<213> Homo sapiens

$\langle 220 \rangle$

<221> SITE

<222> (208)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

$\langle 222 \rangle$ (349)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5772

Leu	Glu	Pro	Pro	Ala	Glu	Pro	Leu	Gln	Tyr	Leu	Ala	Cys	Tyr	Arg	Phe
1				5					10					15	
His	Cys	Ser	His	Gln	Leu	Gly	Asp	Asn	Met	Trp	Phe	Leu	Thr	Thr	Leu
			20					25					30		
Leu	Leu	Trp	Val	Pro	Val	Asp	Gly	Gln	Val	Asp	Thr	Thr	Lys	Ala	Val
		35					40					45			
Ile	Thr	Leu	Gln	Pro	Pro	Trp	Val	Ser	Val	Phe	Gln	Glu	Glu	Thr	Val
50						55					60				

5062

Thr	Leu	His	Cys	Glu	Val	Leu	His	Leu	Pro	Gly	Ser	Ser	Ser	Thr	Gln	65	70	75	80
Trp	Phe	Leu	Asn	Gly	Thr	Ala	Thr	Gln	Thr	Ser	Thr	Pro	Ser	Tyr	Arg	85	90	95	
Ile	Thr	Ser	Ala	Ser	Val	Asn	Asp	Ser	Gly	Glu	Tyr	Arg	Cys	Gln	Arg	100	105	110	
Gly	Leu	Ser	Gly	Arg	Ser	Asp	Pro	Ile	Gln	Leu	Glu	Ile	His	Arg	Gly	115	120	125	
Trp	Leu	Leu	Leu	Gln	Val	Ser	Ser	Arg	Val	Phe	Thr	Glu	Gly	Glu	Pro	130	135	140	
Leu	Ala	Leu	Arg	Cys	His	Ala	Trp	Lys	Asp	Lys	Leu	Val	Tyr	Asn	Val	145	150	155	160
Leu	Tyr	Tyr	Arg	Asn	Gly	Lys	Ala	Phe	Lys	Phe	Phe	His	Trp	Asn	Ser	165	170	175	
Asn	Leu	Thr	Ile	Leu	Lys	Thr	Asn	Ile	Ser	His	Asn	Gly	Thr	Tyr	His	180	185	190	
Cys	Ser	Gly	Met	Gly	Lys	His	Arg	Tyr	Thr	Ser	Ala	Gly	Ile	Ser	Xaa	195	200	205	
Thr	Val	Lys	Glu	Leu	Phe	Pro	Ala	Pro	Val	Leu	Asn	Ala	Ser	Val	Thr	210	215	220	
Ser	Pro	Leu	Leu	Glu	Gly	Asn	Leu	Val	Thr	Leu	Ser	Cys	Glu	Thr	Lys	225	230	235	240
Leu	Leu	Leu	Gln	Arg	Pro	Gly	Leu	Gln	Leu	Tyr	Phe	Ser	Phe	Tyr	Met	245	250	255	
Gly	Ser	Lys	Thr	Leu	Arg	Gly	Arg	Asn	Thr	Ser	Ser	Glu	Tyr	Gln	Ile	260	265	270	
Leu	Thr	Ala	Arg	Arg	Glu	Asp	Ser	Gly	Leu	Tyr	Trp	Cys	Glu	Ala	Ala	275	280	285	
Thr	Glu	Asp	Gly	Asn	Val	Leu	Lys	Arg	Ser	Pro	Glu	Leu	Glu	Leu	Gln	290	295	300	
Val	Leu	Gly	Leu	Gln	Leu	Pro	Thr	Pro	Val	Trp	Phe	His	Val	Leu	Phe	305	310	315	320
Tyr	Leu	Ala	Val	Gly	Ile	Met	Phe	Leu	Val	Asn	Thr	Val	Leu	Trp	Val	325	330	335	

5063

Thr Ile Arg Lys Glu Leu Lys Arg Lys Lys Lys Trp Xaa Leu Glu Ile
 340 345 350

Ser Leu Asp Ser Gly His Glu Lys Lys Val Ile Ser Ser Leu Gln Glu
 355 360 365

Asp Arg His Leu Glu Glu Glu Leu Lys Cys Gln Glu Gln Lys Glu Glu
 370 375 380

Gln Leu Gln Glu Gly Val His Arg Lys Glu Pro Gln Gly Ala Thr
 385 390 395

<210> 5773

<211> 164

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5773

Gly Asp Arg Ala Glu Pro Ser Val Tyr Trp Ala Ala Val Thr Leu Arg
 1 5 10 15

Phe Gln Met Xaa Met Phe Glu Ser Ala Asp Ser Thr Ala Thr Arg Ser
 20 25 30

Gly Gln Asp Leu Trp Ala Glu Ile Cys Ser Cys Leu Pro Asn Pro Glu
 35 40 45

Gln Glu Asp Gly Ala Asn Asn Ala Phe Ser Asp Ser Phe Val Asp Ser
 50 55 60

Cys Pro Glu Gly Glu Gly Gln Arg Glu Val Ala Asp Phe Ala Val Gln
 65 70 75 80

Pro Ala Val Lys Pro Trp Ala Pro Leu Gln Asp Ser Glu Val Tyr Leu
 85 90 95

Ala Ser Leu Glu Lys Lys Leu Arg Arg Ile Lys Gly Leu Asn Gln Glu
 100 105 110

5064

Val Thr Ser Lys Asp Met Leu Arg Thr Leu Ala Gln Ala Lys Lys Glu
 115 120 125

Cys Trp Asp Arg Phe Leu Gln Glu Lys Leu Ala Ser Glu Phe Phe Val
 130 135 140

Asp Gly Leu Asp Ser Asp Glu Ser Thr Xaa Gly Thr Phe Gln Glu Val
 145 150 155 160

Ala Pro Ala Arg

<210> 5774

<211> 184

<212> PRT

<213> Homo sapiens

<400> 5774

Lys Met Ala Ser Asn Lys Thr Thr Leu Gln Lys Met Gly Lys Lys Gln
 1 5 10 15

Asn Gly Lys Ser Lys Lys Val Glu Glu Ala Glu Pro Glu Glu Phe Val
 20 25 30

Val Glu Lys Val Leu Asp Arg Arg Val Val Asn Gly Lys Val Glu Tyr
 35 40 45

Phe Leu Lys Trp Lys Gly Phe Thr Asp Ala Asp Asn Thr Trp Glu Pro
 50 55 60

Glu Glu Asn Leu Asp Cys Pro Glu Leu Ile Glu Ala Phe Leu Asn Ser
 65 70 75 80

Gln Lys Ala Gly Lys Glu Lys Asp Gly Thr Lys Arg Lys Ser Leu Ser
 85 90 95

Asp Ser Glu Ser Asp Asp Ser Lys Ser Lys Lys Lys Arg Asp Ala Ala
 100 105 110

Asp Lys Pro Arg Gly Phe Ala Arg Gly Leu Asp Pro Glu Arg Ile Ile
 115 120 125

Gly Ala Thr Asp Ser Ser Gly Glu Leu Met Phe Leu Met Lys Trp Lys
 130 135 140

Asp Ser Asp Glu Ala Asp Leu Val Leu Ala Lys Glu Ala Asn Met Lys
 145 150 155 160

5065

Cys Pro Gln Ile Val Ile Ala Phe Tyr Glu Glu Arg Leu Thr Trp His
 165 170 175

Ser Cys Pro Glu Asp Glu Ala Gln
 180

<210> 5775

<211> 76

<212> PRT

<213> Homo sapiens

<400> 5775

Lys Val Thr Glu Asp Thr Ser Ser Val Leu Arg Ser Pro Met Pro Gly
 1 5 10 15

Val Val Val Ala Val Ser Val Lys Pro Gly Asp Ala Val Ala Glu Gly
 20 25 30

Gln Glu Ile Cys Val Ile Glu Ala Met Lys Met Gln Asn Ser Met Thr
 35 40 45

Ala Gly Lys Thr Gly Thr Val Lys Ser Val His Cys Gln Ala Gly Asp
 50 55 60

Thr Val Gly Glu Gly Asp Leu Leu Val Glu Leu Glu
 65 70 75

<210> 5776

<211> 57

<212> PRT

<213> Homo sapiens

<400> 5776

Thr Leu Gln Ser Lys Asp Ile Asp Trp Leu Asn Glu Trp Arg Lys Gln
 1 5 10 15

Asp Pro Leu Ile Cys Cys Leu Gln Glu Thr His Leu Asn Tyr Lys Asp
 20 25 30

Thr His Arg Leu Lys Val Lys Ser Trp Lys Glu Leu Phe His Ala Asn
 35 40 45

Gly Asn Gln Glu Lys Glu Lys Glu Tyr
 50 55

5066

<210> 5777

<211> 277

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5777

Arg	Gln	Lys	Gly	Thr	Ala	Ala	Arg	Arg	Arg	Gln	Xaa	Gly	Leu	Leu	Ala
1				5				10						15	

Ser	Ser	Arg	Pro	Glu	Pro	Ala	Asn	Glu	Arg	Lys	Met	Ala	Asp	Asn	Phe
			20					25					30		

Ser	Leu	His	Asp	Ala	Leu	Ser	Gly	Ser	Gly	Asn	Pro	Asn	Pro	Gln	Gly
		35					40					45			

Trp	Pro	Gly	Ala	Trp	Gly	Asn	Gln	Pro	Ala	Gly	Ala	Gly	Gly	Tyr	Pro
	50					55					60				

Gly	Ala	Ser	Tyr	Pro	Gly	Ala	Tyr	Pro	Gly	Gln	Ala	Pro	Pro	Gly	Ala
	65					70				75					80

Tyr	Pro	Gly	Gln	Ala	Pro	Pro	Gly	Ala	Tyr	Xaa	Gly	Ala	Pro	Gly	Ala
				85					90					95	

Tyr	Pro	Gly	Ala	Pro	Ala	Pro	Gly	Val	Tyr	Pro	Gly	Pro	Pro	Ser	Gly
			100					105					110		

Pro	Gly	Ala	Tyr	Pro	Ser	Ser	Gly	Gln	Pro	Ser	Ala	Xaa	Gly	Ala	Tyr
		115					120					125			

Pro	Ala	Thr	Gly	Pro	Tyr	Gly	Ala	Pro	Ala	Gly	Pro	Leu	Ile	Val	Pro
		130					135				140				

Tyr	Asn	Leu	Pro	Leu	Pro	Gly	Gly	Val	Val	Pro	Arg	Met	Leu	Ile	Thr
145					150					155					160

5067

Ile Leu Gly Thr Val Lys Pro Asn Ala Asn Arg Ile Ala Leu Asp Phe
 165 170 175

 Gln Arg Gly Asn Asp Val Ala Phe His Phe Asn Pro Arg Phe Asn Glu
 180 185 190

 Asn Asn Arg Arg Val Ile Val Cys Asn Thr Lys Leu Asp Asn Asn Trp
 195 200 205

 Gly Arg Glu Glu Arg Gln Ser Val Phe Pro Phe Glu Ser Gly Lys Pro
 210 215 220

 Phe Lys Ile Gln Val Leu Val Glu Pro Asp His Phe Lys Val Ala Val
 225 230 235 240

 Asn Asp Ala His Leu Leu Gln Tyr Asn His Arg Val Lys Lys Leu Asn
 245 250 255

 Glu Ile Ser Lys Leu Gly Ile Ser Gly Asp Ile Asp Leu Thr Ser Ala
 260 265 270

 Ser Tyr Thr Met Ile
 275

<210> 5778

<211> 565

<212> PRT

<213> Homo sapiens

<400> 5778

Leu His Cys Thr Met Cys Gly Ile Trp Ala Leu Phe Gly Ser Asp Asp
 1 5 10 15

 Cys Leu Ser Val Gln Cys Leu Ser Ala Met Lys Ile Ala His Arg Gly
 20 25 30

 Pro Asp Ala Phe Arg Phe Glu Asn Val Asn Gly Tyr Thr Asn Cys Cys
 35 40 45

 Phe Gly Phe His Arg Leu Ala Val Val Asp Pro Leu Phe Gly Met Gln
 50 55 60

 Pro Ile Arg Val Lys Lys Tyr Pro Tyr Leu Trp Leu Cys Tyr Asn Gly
 65 70 75 80

 Glu Ile Tyr Asn His Lys Lys Met Gln Gln His Phe Glu Phe Glu Tyr
 85 90 95

 Gln Thr Lys Val Asp Gly Glu Ile Ile Leu His Leu Tyr Asp Lys Gly

5069

370		375		380	
Pro Ser Pro Glu Lys	Ala Glu Glu Glu Ser Glu Arg Leu Leu Arg Glu				
385	390	395	400		
Leu Tyr Leu Phe Asp Val Leu Arg Ala Asp Arg Thr Thr Ala Ala His					
	405	410	415		
Gly Leu Glu Leu Arg Val Pro Phe Leu Asp His Arg Phe Ser Ser Tyr					
	420	425	430		
Tyr Leu Ser Leu Pro Pro Glu Met Arg Ile Pro Lys Asn Gly Ile Glu					
	435	440	445		
Lys His Leu Leu Arg Glu Thr Phe Glu Asp Ser Asn Leu Ile Pro Lys					
	450	455	460		
Glu Ile Leu Trp Arg Pro Lys Glu Ala Phe Ser Asp Gly Ile Thr Ser					
	465	470	475	480	
Val Lys Asn Ser Trp Phe Lys Ile Leu Gln Glu Tyr Val Glu His Gln					
	485	490	495		
Val Asp Asp Ala Met Met Ala Asn Ala Ala Gln Lys Phe Pro Phe Asn					
	500	505	510		
Thr Pro Lys Thr Lys Glu Gly Tyr Tyr Tyr Arg Gln Val Phe Glu Arg					
	515	520	525		
His Tyr Pro Gly Arg Ala Asp Trp Leu Ser His Tyr Trp Met Pro Lys					
	530	535	540		
Trp Ile Asn Ala Thr Asp Pro Ser Ala Arg Thr Leu Thr His Tyr Lys					
	545	550	555	560	
Ser Ala Val Lys Ala					
	565				

<210> 5779

<211> 173

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5779

5070

Cys Phe Ala Ser Asp Arg Ile Ser Leu His Arg Asp Leu Gly Pro Asp
 1 5 10 15
 Thr Arg Pro Pro Glu Cys Ile Glu Gln Lys Phe Lys Arg Cys Pro Pro
 20 25 30
 Leu Pro Thr Thr Ser Val Ile Ile Val Phe His Asn Glu Ala Trp Ser
 35 40 45
 Thr Leu Leu Arg Thr Val His Ser Val Leu Tyr Ser Ser Pro Ala Ile
 50 55 60
 Leu Leu Lys Glu Ile Ile Leu Val Asp Asp Ala Ser Val Asp Glu Tyr
 65 70 75 80
 Leu His Asp Lys Leu Asp Glu Tyr Val Lys Gln Phe Ser Ile Val Lys
 85 90 95
 Ile Val Arg Gln Arg Glu Arg Lys Gly Leu Ile Thr Ala Xaa Leu Leu
 100 105 110
 Gly Ala Thr Val Ala Thr Ala Glu Thr Leu Thr Phe Leu Asp Ala His
 115 120 125
 Cys Glu Cys Phe Tyr Gly Trp Leu Glu Pro Leu Leu Ala Arg Ile Ala
 130 135 140
 Glu Asn Tyr Thr Ala Val Val Ser Pro Asp Ile Ala Ser Ile Asp Leu
 145 150 155 160
 Asn Thr Phe Glu Phe Asn Lys Pro Ser Pro Tyr Gly Lys
 165 170

<210> 5780

<211> 49

<212> PRT

<213> Homo sapiens

<400> 5780

Glu Lys Leu Thr Asp Leu Asn Lys Trp Gly Ser Thr Pro Cys Ser Thr
 1 5 10 15
 Ile Gly Lys Leu Arg Ile Val Lys Met Ser Phe Leu Pro Lys Leu Ile
 20 25 30
 Tyr Lys Ser Gln Lys Thr Phe Phe Leu Gln Thr Leu Ile Lys Val Val
 35 40 45
 Phe

5071

<210> 5781

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5072

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5781

Ser Cys Lys Lys Asp Met Lys Asn Met Asn Tyr Cys Thr Ser His Cys

1

5

10

15

Tyr Phe His Val Gln Tyr Ser Arg Xaa Ile Leu Thr Thr Ile Asp Xaa

20

25

30

Xaa Leu Lys Xaa Val Xaa Gly Lys Xaa Xaa Xaa Ile Leu Xaa Ile Xaa

35

40

45

Ile Ala Xaa Glu Arg Arg Ile Gln Gly Pro Glu Xaa Gly Ala Thr

50

55

60

<210> 5782

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5782

Met Arg Arg Val Ile Leu His Ser Pro Leu Met Ser Gly Leu Arg Val

1

5

10

15

Ala Phe Pro Asp Thr Arg Lys Thr Tyr Cys Phe Asp Ala Phe Pro Ser

20

25

30

Ile Asp Lys Ile Ser Lys Val Thr Ser Pro Val Leu Val Ile His Gly

5073

35 40 45
 Thr Glu Asp Glu Val Ile Asp Phe Ser His Gly Leu Ala Met Tyr Glu
 50 55 60
 Arg Cys Pro Arg Ala Val Glu Pro Leu Trp Xaa Glu Gly Ala Gly His
 65 70 75 80
 Asn Asp Ile Glu Leu Tyr Ala Gln Tyr Leu Glu Arg Leu Lys Gln Phe
 85 90 95
 Ile Ser His Glu Leu Pro Asn Ser
 100

<210> 5783

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5783

Ser Phe Arg Leu Xaa Cys Glu Leu Arg Arg Cys Met Xaa Gly Asn Asn
 1 5 10 15

Met Ser Thr Pro Leu Pro Ala Ile Val Pro Ala Ala Arg Lys Ala Thr
 20 25 30

Ala Ala Val Ile Phe Leu His Gly Leu Gly Xaa Thr Gly Pro Val Arg
 35 40 45

Pro Val Thr Leu Asn Met Asn Val Ala Met Pro Ser Trp Phe Asp Ile
 50 55 60

Ile Gly Leu Ser Pro Asp Ser Gln Glu Asp Glu Ser Gly Ile Lys Gln
 65 70 75 80

5075

Ser Gly Ile Ile Phe Ala Gly His Asp Lys Trp Ser Leu Asp Pro Arg
 35 40 45
 Val Glu Leu Glu Lys Arg His Ser Leu Glu Tyr Ser Leu Arg Ile Gln
 50 55 60
 Lys Val Asp Val Tyr Asp Glu Gly Ser Tyr Thr Cys Ser Val Gln Thr
 65 70 75 80
 Gln His Glu Pro Lys Thr Ser Gln Val Tyr Leu Ile Val Gln Val Pro
 85 90 95
 Pro Lys Ile Ser Asn Ile Ser Ser Asp Val Thr Val Asn Glu Gly Ser
 100 105 110
 Asn Val Thr Leu Val Cys Met Ala Asn Gly Xaa Pro Glu Pro Val Ile
 115 120 125
 Thr Trp Arg His Leu Thr Pro Xaa Gly Arg Glu Phe Glu Gly Glu Glu
 130 135 140
 Glu Tyr Leu Glu Ile Leu Gly Ile Thr Arg Glu Gln Ser Gly Lys Tyr
 145 150 155 160
 Glu Cys Lys Ala Ala Asn Glu Val Ser Ser Ala Asp Val Lys Gln Val
 165 170 175
 Lys Val Thr Val Asn Tyr Pro Pro Thr Ile Thr Glu Ser Lys Ser Asn
 180 185 190
 Glu Ala Thr Thr Gly Arg Gln Ala Ser Leu Lys Cys Glu Ala Ser Ala
 195 200 205
 Val Pro Ala Pro Asp Phe Glu Trp Tyr Arg Asp Asp Thr Arg Ile Asn
 210 215 220
 Ser Ala Asn Gly Leu Glu Ile Lys Ser Thr Glu Gly Gln Ser Ser Leu
 225 230 235 240
 Thr Val Thr Asn Val Thr Glu Glu His Tyr Gly Asn Tyr Thr Cys Val
 245 250 255
 Ala Ala Asn Lys Leu Gly Val Thr Asn Ala Ser Leu Val Leu Phe Lys
 260 265 270
 Arg Val Leu Pro Thr Ile Pro His Pro Ile Gln Glu Ile Gly Thr Thr
 275 280 285
 Val His Phe Lys Gln Lys Gly Pro Gly Ser Val Arg Gly Ile Asn Gly
 290 295 300

5076

Ser Ile Ser Leu Ala Val Pro Leu Trp Leu Leu Ala Ala Ser Leu Leu
 305 310 315 320

Cys Leu Leu Ser Lys Cys
 325

<210> 5785

<211> 217

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (191)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (208)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (213)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5785

Pro Thr Arg Pro Ala Glu Lys Asp Pro Gly Arg Ser Ala Pro Gly Ala
 1 5 10 15

Ala Ser Ala Ala Ala Ala Leu Lys Gln Leu Gly Asp Ser Pro Ala Glu
 20 25 30

Asp Lys Ser Ser Phe Lys Pro Tyr Ser Lys Gly Ser Gly Gly Gly Asp
 35 40 45

Ser Arg Lys Asp Ser Gly Ser Ser Ser Val Ser Ser Thr Ser Ser Ser
 50 55 60

Ser Ser Ser Ser Pro Gly Asp Lys Ala Gly Phe Xaa Val Pro Ser Ala
 65 70 75 80

Ala Cys Pro Pro Phe Pro Pro His Gly Ala Pro Val Ser Ala Ser Ser

5078

<210> 5787

<211> 145

<212> PRT

<213> Homo sapiens

<400> 5787

His Cys Ser Glu Gly His Ala Lys Ser Arg His Arg Ser Trp Gln Gln
 1 5 10 15

Glu Gly Asp Arg Ala Ser Pro Arg His Thr Ser Pro Gly Gly Asp Ser
 20 25 30

Gly Lys Glu Pro Arg Thr Gly Lys Asp Trp Val Gly Glu Gly Val Arg
 35 40 45

Gly Leu Val Val Thr Gln Ser Trp Arg Gly Ala Lys Ser Thr Gly Gly
 50 55 60

Tyr Pro Leu Ala Ala Ser Ala Leu Ala Val Cys Pro Phe Met Ser Gln
 65 70 75 80

Thr Ala Thr Thr Met Tyr Leu Gln Trp Gly Cys Arg Asp Gly Gly Asp
 85 90 95

Ser Ser Leu Thr Pro Gln Glu Leu Pro Gly Pro Lys Glu Glu Asn Ala
 100 105 110

Ala Ser Phe Gln Ser Gly Leu His Pro Leu Ser Gly Ser Leu Ser Ala
 115 120 125

Ser Cys Asn Ser Gly Cys Phe Ser Arg Leu Ser Ser Asn Ser Ala Pro
 130 135 140

Pro
 145

<210> 5788

<211> 113

<212> PRT

<213> Homo sapiens

<400> 5788

Leu Arg Arg Pro Phe Leu Met Leu Leu Leu Asp Leu Met Ser Ser Pro
 1 5 10 15

Ser Pro Gln Leu Leu Val Ala Ala Ala Gln Gln Thr Leu Gly Met Gly
 20 25 30

Lys Arg Arg Ser Pro Pro Gln Ala Ile Cys Leu His Leu Ala Gly Glu

5079

35 40 45
 Val Leu Ala Val Ala Arg Gly Leu Lys Pro Ala Val Leu Tyr Asp Cys
 50 55 60
 Asn Cys Ala Gly Ala Ser Glu Leu Gln Ser Tyr Leu Glu Glu Leu Lys
 65 70 75 80
 Gly Leu Gly Phe Leu Thr Phe Gly Leu His Ile Leu Glu Ile Gly Glu
 85 90 95
 Asn Ser Leu Ile Val Ser Pro Glu His Val Cys Gln His Leu Glu Gln
 100 105 110
 Val

<210> 5789

<211> 32

<212> PRT

<213> Homo sapiens

<400> 5789

Lys Phe Ser Gln Ala Trp Trp His Met Pro Ile Val Pro Ala Ile Trp
 1 5 10 15
 Val Ala Lys Val Gly Glu Leu Leu Glu Pro Gly Arg Ser Arg Leu Gln
 20 25 30

<210> 5790

<211> 67

<212> PRT

<213> Homo sapiens

<400> 5790

Val Tyr Lys Met Phe Ser Met Arg Asn Gln Glu Thr Tyr Thr Gly Leu
 1 5 10 15
 Thr Val Val Ser Tyr Met Ser Pro Gln Phe Gln Cys Ala Cys Ser Leu
 20 25 30
 Thr Ser Pro Phe Pro Asn Pro Ser Leu Leu Gly Cys Cys Phe Lys Val
 35 40 45

5080

Cys Pro Ser Pro Asn Leu Asp Phe Tyr Tyr Arg Ser Lys Ala Leu Ser
 50 55 60

Ile Leu Tyr
 65

<210> 5791

<211> 77

<212> PRT

<213> Homo sapiens

<400> 5791

Trp Leu Leu Cys Pro Val Arg Val Phe Ser Ser Leu Thr Trp Val His
 1 5 10 15

Phe Leu Met Ala His Met Lys Phe Gly Ser Tyr Gly Leu Thr Leu Ala
 20 25 30

Met Val Leu Ser Tyr Gly Glu Gln His Gln Arg Pro Val Thr Cys Lys
 35 40 45

Leu Lys Ile Gln Cys Gln Gly Pro Ser Pro Ala Pro Leu Ile Glu Asn
 50 55 60

Leu Leu Ala Ile Cys Ile Phe Arg Cys Ser Arg Leu Val
 65 70 75

<210> 5792

<211> 120

<212> PRT

<213> Homo sapiens

<400> 5792

Tyr Val Tyr Leu Ile Ile Leu Pro Leu Ala Lys Cys Tyr Val Cys Lys
 1 5 10 15

Met Trp His Leu Leu Val Phe Ile Val Cys Val Phe Phe Val Tyr Tyr
 20 25 30

Thr Leu Gly Asn Phe Val Leu Pro Lys Lys Lys Lys Arg Lys Cys
 35 40 45

Asn Val Arg His Thr Arg Lys Ala Asn Gln Cys Cys Lys Leu Lys Val
 50 55 60

Gln Phe Gln Arg Ser Leu Pro Thr Ala Gly Phe Phe Leu Tyr Phe Lys
 65 70 75 80

5081

Asn Ile Met Leu His Ile Ile Ala Ile Phe Ile Phe Trp Gly Phe Ala
 85 90 95

Thr Leu Ile Gln Trp Asn Gln Trp Lys Cys His Pro Ala Thr Glu Leu
 100 105 110

Pro Leu Leu Tyr Leu Lys Ser Phe
 115 120

<210> 5793

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5793

Leu Leu Gly Ser Cys Leu Gln Glu Ala Met Thr Leu Asn Ser Glu Pro
 1 5 10 15

Tyr Ser Val Leu Thr Ser Gly Ser His Val Phe Leu Cys Gln Val Ile
 20 25 30

Lys Tyr Leu Val Leu Val Phe Cys Leu Xaa Pro Lys Leu Pro Leu Trp
 35 40 45

Val His Arg Arg Leu Gly Ser Ile Val Arg Met Ala Ile Arg Glu Tyr
 50 55 60

Lys Xaa Gly Phe Ser Arg Ala Trp Glu Xaa Ile Leu Glu Pro Arg Arg

5082

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65              70              75              80
Ala Xaa Pro Ala Leu Arg Ser Phe Gly Val Glu Met Gln Pro Trp Glu
              85              90              95
Ile Trp Gly Val Ser Arg Pro Val
              100

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<210> 5794

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5794

Asp Leu Lys Arg Lys Ser Lys Ser Phe Tyr Tyr Asp Xaa Ile Pro Val
1 5 10 15

Glu Tyr Leu Lys Gly Thr Pro His Leu Asn Asn Gln Cys Lys Tyr Phe
20 25 30

Leu Ser Lys Leu
35

<210> 5795

<211> 96

<212> PRT

<213> Homo sapiens

<400> 5795

Ile Ala Arg Leu Val Gly Phe Ala Thr Cys Gly Ser Pro Arg Gly Ser
1 5 10 15

Lys Asn Gly Gly Arg Arg Gly Gly Gly Gly Pro Gly Arg Glu Trp Val
20 25 30

Glu Leu Glu Pro Gln Lys Ser Ala Glu Leu Arg Gly Arg Ala Gly Arg
35 40 45

Lys Gly Gly Gly Ala Ala Gly Ala Arg Gly His Pro Ala Ala Gly Cys
50 55 60

Ser Asp Arg Gly Lys Cys Leu Glu Asn Cys Gly Leu Arg Cys Leu Tyr

5083

65		70		75		80									
Asp	Ala	Val	Leu	Leu	Glu	Pro	Trp	Arg	Lys	Met	Glu	Leu	Val	Leu	Gln
			85						90					95	

<210> 5796

<211> 220

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5796

Phe	Gly	Gly	Ala	Tyr	Asp	Gly	Lys	Tyr	Glu	Lys	Thr	Leu	Tyr	Gly	His
1				5				10					15		

Asn	Leu	Glu	Ile	Ser	Asp	Val	Ala	Trp	Xaa	Ser	Asp	Ser	Xaa	Arg	Leu
		20						25					30		

Xaa	Ser	Ala	Xaa	Xaa	Asp	Lys	Thr	Leu	Lys	Leu	Trp	Asp	Val	Arg	Ser
		35					40					45			

Gly	Lys	Cys	Leu	Lys	Thr	Leu	Lys	Gly	His	Ser	Asn	Tyr	Val	Phe	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5084

50	55	60
Cys Asn Phe Asn Pro Pro Ser Asn Leu Ile Ile Ser Gly Ser Phe Asp		
65	70	75 80
Glu Thr Val Lys Ile Trp Glu Val Lys Thr Gly Lys Cys Leu Lys Thr		
	85	90 95
Leu Ser Ala His Ser Asp Pro Val Ser Ala Val His Phe Asn Cys Ser		
	100	105 110
Gly Ser Leu Ile Val Ser Gly Ser Tyr Asp Gly Leu Cys Arg Ile Trp		
	115	120 125
Asp Ala Ala Ser Gly Gln Cys Leu Lys Thr Leu Val Asp Asp Asp Asn		
	130	135 140
Pro Pro Val Ser Phe Val Lys Phe Ser Pro Asn Gly Lys Tyr Ile Leu		
	145	150 155 160
Thr Ala Thr Leu Asp Asn Thr Leu Lys Leu Trp Asp Tyr Ser Arg Gly		
	165	170 175
Arg Cys Leu Lys Thr Tyr Thr Gly His Lys Asn Glu Lys Tyr Cys Ile		
	180	185 190
Phe Ala Asn Phe Ser Val Thr Gly Gly Lys Trp Ile Val Ser Gly Ser		
	195	200 205
Glu Asp Asn Arg Val Tyr Ile Trp Glu Pro Ser Asp		
	210	215 220

<210> 5797

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5085

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5797

Asp Pro Arg Val Arg Thr Arg Xaa Pro Asn Met Tyr Gln Val Val Leu
 1 5 10 15

Leu Phe Val Val Val Pro Glu Leu Gln Glu His Gln Ser Lys Pro Ser
 20 25 30

Arg Pro Ser Pro Arg Val Ala Asp Asn Pro Glu Glu Gly Arg Glu Pro
 35 40 45

His Asn Asp Arg Pro Val Ser Met Ala Phe Gly Cys Gln Pro Glu His
 50 55 60

Val Tyr Ala Glu Cys Gly Lys Thr Tyr Arg Pro Pro Pro Thr Pro Lys
 65 70 75 80

Leu Phe Pro Gln Ser Thr Val Xaa Asn Thr Thr Pro Ser Phe Thr Ser
 85 90 95

Gly Thr Gln Glu Xaa Leu Phe Val Phe Leu Ile Ser Ile Ser Arg Arg
 100 105 110

Leu Phe Ser Thr Pro Leu Phe Leu Pro Pro Gln Phe Ala Ile Pro Leu
 115 120 125

Leu Ala Leu
 130

<210> 5798

<211> 239

<212> PRT

<213> Homo sapiens

<400> 5798

Gln Pro Pro Gly Thr Arg Asp Pro Ala Pro Pro Leu Ile Thr Pro Ala
 1 5 10 15

Thr Pro Gln Leu Ser Ala Ala Pro Asp Ala Met Asp Pro Ala Leu Ala
 20 25 30

Ala Gln Met Ser Glu Ala Val Ala Glu Lys Met Leu Gln Tyr Arg Arg
 35 40 45

Asp Thr Ala Gly Trp Lys Ile Cys Arg Glu Gly Asn Gly Val Ser Val
 50 55 60

5086

Ser Trp Arg Pro Ser Val Glu Phe Pro Gly Asn Leu Tyr Arg Gly Glu
 65 70 75 80
 Gly Ile Val Tyr Gly Thr Leu Glu Glu Val Trp Asp Cys Val Lys Pro
 85 90 95
 Ala Val Gly Gly Leu Arg Val Lys Trp Asp Glu Asn Val Thr Gly Phe
 100 105 110
 Glu Ile Ile Gln Ser Ile Thr Asp Thr Leu Cys Val Ser Arg Thr Ser
 115 120 125
 Thr Pro Ser Ala Ala Met Lys Leu Ile Ser Pro Arg Asp Phe Val Asp
 130 135 140
 Leu Val Leu Val Lys Arg Tyr Glu Asp Gly Thr Ile Ser Ser Asn Ala
 145 150 155 160
 Thr His Val Glu His Pro Leu Cys Pro Pro Lys Pro Gly Phe Val Arg
 165 170 175
 Gly Phe Asn His Pro Cys Gly Cys Phe Cys Glu Pro Leu Pro Gly Glu
 180 185 190
 Pro Thr Lys Thr Asn Leu Val Thr Phe Phe His Thr Asp Leu Ser Gly
 195 200 205
 Tyr Leu Pro Gln Asn Val Val Asp Ser Phe Phe Pro Arg Ser Met Thr
 210 215 220
 Arg Phe Tyr Ala Asn Leu Gln Lys Ala Val Lys Gln Phe His Glu
 225 230 235

<210> 5799

<211> 66

<212> PRT

<213> Homo sapiens

<400> 5799

Ala Tyr Thr Thr Met Thr Glu Asn Lys Arg Leu Phe Phe Glu Thr Pro
 1 5 10 15
 Ser Gln Lys Gln Asn Lys Thr Lys Lys Leu Asp Lys Cys Tyr Ile Asn
 20 25 30
 Val Trp Val Val Arg Phe Tyr Phe Glu Ser Glu Val Cys Arg Tyr Ala
 35 40 45
 Tyr Arg Phe Leu Glu Phe Thr Thr Phe Leu Phe Cys Ile Ile Asn Val

5087

50

55

60

Ile Phe

65

<210> 5800

<211> 173

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (164)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (166)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5800

Arg His Glu Asp Phe Thr Asp Thr Ala Tyr Leu Phe Lys Ile Gln Ile

1

5

10

15

Glu Ser Leu Asn Asp Lys Leu Gln Asn Ala Lys Glu Gln Leu Arg Glu

20

25

30

Lys Glu Phe Ile Met Leu Gln Asn Glu Gln Glu Ile Ser Gln Leu Lys

35

40

45

5088

Lys Glu Ile Glu Arg Thr Xaa Gln Arg Met Lys Glu Met Xaa Ser Val
 50 55 60
 Met Lys Glu Gln Glu Gln Tyr Ile Ala Thr Gln Tyr Lys Glu Ala Ile
 65 70 75 80
 Asp Leu Gly Gln Glu Leu Arg Leu Thr Arg Glu Gln Val Gln Asn Ser
 85 90 95
 His Thr Glu Leu Ala Glu Ala Arg His Gln Gln Val Gln Ala Gln Arg
 100 105 110
 Glu Ile Glu Arg Leu Ser Ser Glu Leu Glu Asp Met Lys Gln Leu Ser
 115 120 125
 Lys Glu Lys Asp Ala His Gly Asn His Leu Ala Glu Glu Leu Gly Ala
 130 135 140
 Ser Lys Gly Arg Glu Ala Tyr Leu Glu Ala Arg Met Gln Ala Glu Ile
 145 150 155 160
 Lys Lys Leu Xaa Xaa Xaa Val Xaa Ile Ser Ser Lys Lys
 165 170

<210> 5801

<211> 719

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (302)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5801

Phe Lys Val Ile Phe Leu Leu Gln Asp Gly Ile Val Asn Pro Thr Ile
 1 5 10 15
 Arg Lys Asp Leu Lys Thr Gly Pro Lys Phe Tyr Cys Cys Pro Ile Glu
 20 25 30
 Gly Cys Pro Arg Gly Pro Glu Arg Pro Phe Ser Gln Phe Ser Leu Val
 35 40 45
 Lys Gln His Phe Met Lys Met His Ala Glu Lys Lys His Lys Cys Ser
 50 55 60
 Lys Cys Ser Asn Ser Tyr Gly Thr Glu Trp Asp Leu Lys Arg His Ala

5089

65					70										75					80
Glu	Asp	Cys	Gly	Lys	Thr	Phe	Arg	Cys	Thr	Cys	Gly	Cys	Pro	Tyr	Ala					
				85					90					95						
Ser	Arg	Thr	Ala	Leu	Gln	Ser	His	Ile	Tyr	Arg	Thr	Gly	His	Glu	Ile					
			100					105					110							
Pro	Ala	Glu	His	Arg	Asp	Pro	Pro	Ser	Lys	Lys	Arg	Lys	Met	Glu	Asn					
		115					120					125								
Cys	Ala	Gln	Asn	Gln	Lys	Leu	Ser	Asn	Lys	Thr	Ile	Glu	Ser	Leu	Asn					
	130					135					140									
Asn	Gln	Pro	Ile	Pro	Arg	Pro	Asp	Thr	Gln	Glu	Leu	Glu	Ala	Ser	Glu					
145					150					155					160					
Ile	Lys	Leu	Glu	Pro	Ser	Phe	Glu	Asp	Ser	Cys	Gly	Ser	Asn	Thr	Asp					
				165				170						175						
Lys	Gln	Thr	Leu	Thr	Thr	Pro	Pro	Arg	Tyr	Pro	Gln	Lys	Leu	Leu	Leu					
			180					185					190							
Pro	Lys	Pro	Lys	Val	Ala	Leu	Val	Lys	Leu	Pro	Val	Met	Gln	Phe	Ser					
		195					200					205								
Val	Met	Pro	Val	Phe	Val	Pro	Thr	Ala	Asp	Ser	Ser	Ala	Gln	Pro	Val					
	210					215					220									
Val	Leu	Gly	Val	Asp	Gln	Gly	Ser	Ala	Thr	Gly	Ala	Val	His	Leu	Met					
225					230					235				240						
Pro	Leu	Ser	Val	Gly	Thr	Leu	Ile	Leu	Gly	Leu	Asp	Ser	Glu	Ala	Cys					
			245					250					255							
Ser	Leu	Lys	Glu	Ser	Leu	Pro	Leu	Phe	Lys	Ile	Ala	Asn	Pro	Ile	Ala					
			260					265					270							
Gly	Glu	Pro	Ile	Ser	Thr	Gly	Val	Gln	Val	Asn	Phe	Gly	Lys	Ser	Pro					
		275					280					285								
Ser	Asn	Pro	Leu	Gln	Glu	Leu	Gly	Asn	Thr	Cys	Gln	Lys	Xaa	Ser	Ile					
	290					295					300									
Ser	Ser	Ile	Asn	Val	Gln	Thr	Asp	Leu	Ser	Tyr	Ala	Ser	Gln	Asn	Phe					
305				310						315				320						
Ile	Pro	Ser	Ala	Gln	Trp	Ala	Thr	Ala	Asp	Ser	Ser	Val	Ser	Ser	Cys					
			325					330					335							
Ser	Gln	Thr	Asp	Leu	Ser	Phe	Asp	Ser	Gln	Val	Ser	Leu	Pro	Ile	Ser					

5090

340	345	350
Val His Thr Gln Thr Phe Leu Pro Ser Ser Lys Val Thr Ser Ser Ile		
355	360	365
Ala Ala Gln Thr Asp Ala Phe Met Asp Thr Cys Phe Gln Ser Gly Gly		
370	375	380
Val Ser Arg Glu Thr Gln Thr Ser Gly Ile Glu Ser Pro Thr Asp Asp		
385	390	395
His Val Gln Met Asp Gln Ala Gly Met Cys Gly Asp Ile Phe Glu Ser		
	405	410
		415
Val His Ser Ser Tyr Asn Val Ala Thr Gly Asn Ile Ile Ser Asn Ser		
	420	425
		430
Leu Val Ala Glu Thr Val Thr His Ser Leu Leu Pro Gln Asn Glu Pro		
	435	440
		445
Lys Thr Leu Asn Gln Asp Ile Glu Lys Ser Ala Pro Ile Ile Asn Phe		
	450	455
		460
Ser Ala Gln Asn Ser Met Leu Pro Ser Gln Asn Met Thr Asp Asn Gln		
465	470	475
		480
Thr Gln Thr Ile Asp Leu Leu Ser Asp Leu Glu Asn Ile Leu Ser Ser		
	485	490
		495
Asn Leu Pro Ala Gln Thr Leu Asp His Arg Ser Leu Leu Ser Asp Thr		
	500	505
		510
Asn Pro Gly Pro Asp Thr Gln Leu Pro Ser Gly Pro Ala Gln Asn Pro		
	515	520
		525
Gly Ile Asp Phe Asp Ile Glu Glu Phe Phe Ser Ala Ser Asn Ile Gln		
	530	535
		540
Thr Gln Thr Glu Glu Ser Glu Leu Ser Thr Met Thr Thr Glu Pro Val		
545	550	555
		560
Leu Glu Ser Leu Asp Ile Glu Thr Gln Thr Asp Phe Leu Leu Ala Asp		
	565	570
		575
Thr Ser Ala Gln Ser Tyr Gly Cys Arg Gly Asn Ser Asn Phe Leu Gly		
	580	585
		590
Leu Glu Met Phe Asp Thr Gln Thr Gln Thr Asp Leu Asn Phe Phe Leu		
	595	600
		605
Asp Ser Ser Pro His Leu Pro Leu Gly Ser Ile Leu Lys His Ser Ser		

5091

610	615	620
Phe Ser Val Ser Thr Asp Ser Ser Asp Thr Glu Thr Gln Thr Glu Gly		
625	630	635 640
Val Ser Thr Ala Lys Asn Ile Pro Ala Leu Glu Ser Lys Val Gln Leu		
	645	650 655
Asn Ser Thr Glu Thr Gln Thr Met Ser Ser Gly Phe Glu Thr Leu Gly		
	660	665 670
Ser Leu Phe Phe Thr Ser Asn Glu Thr Gln Thr Ala Met Asp Asp Phe		
	675	680 685
Leu Leu Ala Asp Leu Ala Trp Asn Thr Met Glu Ser Gln Phe Ser Ser		
	690	695 700
Val Glu Thr Gln Thr Ser Ala Glu Pro His Thr Val Ser Asn Phe		
705	710	715

<210> 5802

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5802

Asn Ser Xaa Met Gln Xaa Pro Glu Trp His Phe Ala Thr Leu Ser His
1 5 10 15

5093

His Cys Arg Phe Ile Thr Trp
50 55

<210> 5805

<211> 367

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (358)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5805

Ala Arg Gln Thr Gly Leu Glu Asp Pro Leu Arg Leu Arg Arg Ala Glu
1 5 10 15

Ser Thr Arg Arg Val Leu Gly Leu Glu Leu Asn Lys Asp Arg Asp Val
20 25 30

Glu Arg Ile His Gly Gly Gly Ile Asn Thr Leu Asp Ile Glu Pro Val
35 40 45

Glu Gly Arg Tyr Met Leu Ser Gly Gly Ser Asp Gly Val Ile Val Leu
50 55 60

Tyr Asp Leu Glu Asn Ser Ser Arg Gln Ser Tyr Tyr Thr Cys Lys Ala
65 70 75 80

Val Cys Ser Ile Gly Arg Asp His Pro Asp Val His Arg Tyr Ser Val
85 90 95

Glu Thr Val Gln Trp Tyr Pro His Asp Thr Gly Met Phe Thr Ser Ser
100 105 110

Ser Phe Asp Lys Thr Leu Lys Val Trp Asp Thr Asn Thr Leu Gln Thr
115 120 125

Ala Asp Val Phe Asn Phe Glu Glu Thr Val Tyr Ser His His Met Ser
130 135 140

Pro Val Ser Thr Lys His Cys Leu Val Ala Val Gly Thr Arg Gly Pro
145 150 155 160

Lys Val Gln Leu Cys Asp Leu Lys Ser Gly Ser Cys Ser His Ile Leu
165 170 175

Gln Gly His Arg Gln Glu Ile Leu Ala Val Ser Trp Ser Pro Arg Tyr
180 185 190

5094

Asp Tyr Ile Leu Ala Thr Ala Ser Ala Asp Ser Arg Val Lys Leu Trp
 195 200 205
 Asp Val Arg Arg Ala Ser Gly Cys Leu Ile Thr Leu Asp Gln His Asn
 210 215 220
 Gly Lys Lys Ser Gln Ala Val Glu Ser Ala Asn Thr Ala His Asn Gly
 225 230 235 240
 Lys Val Asn Gly Leu Cys Phe Thr Ser Asp Gly Leu His Leu Leu Thr
 245 250 255
 Val Gly Thr Asp Asn Arg Met Arg Leu Trp Asn Ser Ser Asn Gly Glu
 260 265 270
 Asn Thr Leu Val Asn Tyr Gly Lys Val Cys Asn Asn Ser Lys Lys Gly
 275 280 285
 Leu Lys Phe Thr Val Ser Cys Gly Cys Ser Ser Glu Phe Val Phe Val
 290 295 300
 Pro Tyr Gly Ser Thr Ile Ala Val Tyr Thr Val Tyr Ser Gly Glu Gln
 305 310 315 320
 Ile Thr Met Leu Lys Gly His Tyr Lys Thr Val Asp Cys Cys Val Phe
 325 330 335
 Gln Ser Asn Phe Gln Val Leu Tyr Ser Gly Ser Arg Asp Cys Asn Ile
 340 345 350
 Leu Ala Trp Val Pro Xaa Leu Tyr Glu Pro Val Pro Asp Asp Gly
 355 360 365

<210> 5806

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

5095

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5806

Lys Lys Xaa Gly Leu Asn Arg Pro Pro Phe Gly Ala Gln Arg Arg Val
 1 5 10 15

Leu Thr Pro Arg Gly Gly Phe Pro Pro Gly Gly Xaa Lys Ile Phe Ser
 20 25 30

Pro Pro Pro Gly Gly Gly Phe Pro Gly Lys Pro Pro Pro Lys Thr Gly
 35 40 45

Ala Arg Xaa Phe Pro Pro Gly Gly Gly Pro Phe Pro Lys Phe Phe Phe
 50 55 60

Ala Gln Asn Xaa Ser Gln Lys Ile
 65 70

<210> 5807

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5807

His Gly Val Arg Arg Arg Leu Arg Val Thr Arg Gln Arg Ala Thr Ala
 1 5 10 15

Leu Val Gln Ser Ala Arg Val Arg Arg Trp Lys Arg Ser Arg Arg Asn
 20 25 30

Pro Gln Ile Ala Pro Phe Pro Arg Asp Leu Ser Gly Xaa Arg Ala Thr
 35 40 45

Ala Gln Pro Arg Ala Pro Ala Leu Arg Pro Arg His Thr Pro Gln Ser
 50 55 60

5096

Ser Ser Ser Gly Ser Ala Pro Thr Pro Arg Arg Asp Gln Pro Ala Arg
 65 70 75 80

Gly Gly Leu Thr Ala Pro Ser Ser Gln Glu Gly Thr Gln Arg Thr Thr
 85 90 95

Glu Pro His Ser Ala Pro Arg Ser Pro Leu Trp Leu Leu Ala Ser Arg
 100 105 110

Pro Thr Arg Ala Ala Met Val Thr Ser Pro Pro Pro Leu
 115 120 125

<210> 5808

<211> 227

<212> PRT

<213> Homo sapiens

<400> 5808

Lys Met Asp Trp Gly Thr Leu Gln Thr Ile Leu Gly Gly Val Asn Lys
 1 5 10 15

His Ser Thr Ser Ile Gly Lys Ile Trp Leu Thr Val Leu Phe Ile Phe
 20 25 30

Arg Ile Met Ile Leu Val Val Ala Ala Lys Glu Val Trp Gly Asp Glu
 35 40 45

Gln Ala Asp Phe Val Cys Asn Thr Leu Gln Pro Gly Cys Lys Asn Val
 50 55 60

Cys Tyr Asp His Tyr Phe Pro Ile Ser His Ile Arg Leu Trp Ala Leu
 65 70 75 80

Gln Leu Ile Phe Val Ser Thr Pro Ala Leu Leu Val Ala Met His Val
 85 90 95

Ala Tyr Arg Arg His Glu Lys Lys Arg Lys Phe Ile Lys Gly Glu Ile
 100 105 110

Lys Ser Glu Phe Lys Asp Ile Glu Glu Ile Lys Thr Gln Lys Val Arg
 115 120 125

Ile Glu Gly Ser Leu Trp Trp Thr Tyr Thr Ser Ser Ile Phe Phe Arg
 130 135 140

Val Ile Phe Glu Ala Ala Phe Met Tyr Val Phe Tyr Val Met Tyr Asp
 145 150 155 160

Gly Phe Ser Met Gln Arg Leu Val Lys Cys Asn Ala Trp Pro Cys Pro

5097

	165		170		175
Asn Thr Val Asp Cys Phe Val Ser Arg Pro Thr Glu Lys Thr Val Phe					
	180		185		190
Thr Val Phe Met Ile Ala Val Ser Gly Ile Cys Ile Leu Leu Asn Val					
	195		200		205
Thr Glu Leu Cys Tyr Leu Leu Ile Arg Tyr Cys Ser Gly Lys Ser Lys					
	210		215		220
Lys Pro Val					
225					

<210> 5809

<211> 213

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (166)

<223> Xaa equals any of the naturally occurring L-amino acids

5098

<400> 5809

Ala Thr Val Pro Ile Arg Pro Asn Phe Thr Gly Lys Ser Ser Tyr Arg
 1 5 10 15
 Val Tyr Lys Leu Pro Ile Ser Gly Glu Thr Phe Asn Arg Glu Lys Phe
 20 25 30
 Arg Ser Gln Asp Trp Glu Asn Pro Thr Glu Arg Glu Asp Asp Ser Asp
 35 40 45
 Lys Tyr Cys Lys Leu Asn Leu Gln Gln Ser Gly Ser Phe Gln Tyr Tyr
 50 55 60
 Xaa Leu Gln Gly Asn Glu Lys Xaa Gly Gly Xaa Tyr Ile Val Val Xaa
 65 70 75 80
 Pro Ile Leu Arg Val Xaa Ala Asp Asn His Val Leu Pro Leu Asp Cys
 85 90 95
 Val Thr Leu Gln Thr Phe Leu Ala Lys Cys Leu Gly Pro Phe Asp Glu
 100 105 110
 Trp Glu Ser Arg Leu Arg Val Ala Lys Glu Ser Gly Tyr Asn Met Ile
 115 120 125
 His Phe Thr Pro Leu Gln Thr Leu Gly Leu Ser Arg Ser Cys Tyr Ser
 130 135 140
 Leu Ala Asn Gln Leu Glu Leu Asn Pro Asp Phe Ser Arg Pro Asn Arg
 145 150 155 160
 Lys Tyr Thr Trp Asn Xaa Val Gly Gln Leu Val Glu Lys Leu Lys Lys
 165 170 175
 Glu Trp Ile Val Phe Cys Ile Thr Asp Val Val Tyr Asn His Thr Ala
 180 185 190
 Ala Asn Ser Asn Cys Ile Gln Glu His Pro Glu Cys Ala Tyr Ile Leu
 195 200 205
 Val Ile Ser Pro His
 210

<210> 5810

<211> 67

<212> PRT

<213> Homo sapiens

<220>

5099

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5810

Gly	Val	His	Tyr	Cys	Glu	Phe	Ile	Ile	Leu	Lys	Val	Gly	Asp	Ala	Lys
1				5					10					15	

Ser	Thr	Arg	Leu	Lys	Xaa	Tyr	Glu	Val	Phe	Ser	Ser	Phe	Asn	Ser	Ile
			20					25					30		

Leu	Leu	Glu	Lys	Asn	Xaa	His	Asn	Arg	Gly	Ser	Phe	Thr	Phe	Pro	Gln
		35					40					45			

Pro	Ser	Arg	Leu	Leu	Tyr	Cys	Asn	Val	Gly	Lys	Ile	Ala	Tyr	Asn	Lys
	50					55					60				

Asn	Cys	Ser
65		

<210> 5811

<211> 260

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (185)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (195)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5811

Val	Arg	Ala	Gly	Pro	Ala	Ala	Ala	Gly	Pro	Arg	Pro	Gly	Ala	Glu	Arg
1				5				10					15		

5100

Lys Cys Trp Ser Leu Arg Ser Leu Arg Pro Leu Gly Gly Arg Cys Ala
 20 25 30
 Trp Pro Gly Thr Ser Ala Pro Ala His Arg Pro Gly Ala Ala Glu Gly
 35 40 45
 Arg Pro Arg Gly Pro Val Pro Ala Glu Pro Arg Pro Cys Pro Leu Ala
 50 55 60
 Leu Leu Ser Gly His Tyr Leu Tyr Tyr His Tyr Gly Cys Asp Gly Leu
 65 70 75 80
 Asp Asp Arg Gly Trp Gly Cys Gly Tyr Arg Thr Leu Gln Thr Leu Cys
 85 90 95
 Ser Trp Pro Glu Gly Gln Pro Ala Gly Val Pro Gly Leu Ala Ala Val
 100 105 110
 Gln Ala Ala Leu Glu Asp Met Gly Asp Lys Pro Pro Gly Phe Arg Gly
 115 120 125
 Ser Arg Asp Trp Ile Gly Cys Val Glu Ala Ser Leu Cys Leu Ala His
 130 135 140
 Phe Gly Gly Pro Gln Gly Arg Leu Cys His Val Pro Arg Gly Val Gly
 145 150 155 160
 Leu His Gly Glu Xaa Glu Arg Leu Tyr Ser His Phe Ala Gly Gly Gly
 165 170 175
 Gly Pro Val Met Val Gly Gly Asp Xaa Asp Ala Arg Ser Lys Ala Leu
 180 185 190
 Leu Gly Xaa Cys Val Gly Ser Gly Thr Glu Ala Tyr Val Leu Val Leu
 195 200 205
 Asp Pro His Tyr Trp Gly Thr Pro Lys Ser Pro Ser Glu Leu Gln Ala
 210 215 220
 Ala Gly Trp Val Gly Trp Gln Glu Val Ser Ala Ala Phe Asp Pro Asn
 225 230 235 240
 Ser Phe Tyr Asn Leu Cys Leu Thr Ser Leu Ser Ser Gln Gln Gln Gln
 245 250 255
 Arg Thr Leu Asp
 260

5101

<211> 364
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (269)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (299)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (310)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (319)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (356)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (363)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5812
Trp Xaa Pro Arg Ala Ala Gly Ile Arg His Glu Leu Phe Gln Ala Leu

5102

1	5	10	15
Ile Asp Ile Gln Glu Phe Tyr Glu Val Thr Leu Leu Asp Asn Pro Lys	20	25	30
Cys Ile Asp Arg Ser Lys Pro Ser Glu Pro Ile Gln Pro Val Asn Thr	35	40	45
Trp Glu Ile Ser Ser Leu Pro Ser Ser Thr Val Thr Ser Glu Thr Leu	50	55	60
Pro Ser Ser Leu Ser Pro Ser Val Glu Lys Tyr Arg Tyr Gln Asp Glu	65	70	75
Asp Thr Pro Pro Gln Glu His Ile Ser Pro Gln Ile Thr Asn Glu Val	85	90	95
Ile Gly Pro Glu Leu Val His Val Ser Glu Lys Asn Leu Ser Glu Ile	100	105	110
Glu Asn Val His Gly Phe Val Ser His Ser His Ile Ser Pro Ile Lys	115	120	125
Pro Thr Glu Ala Val Leu Pro Ser Pro Pro Thr Val Pro Val Ile Pro	130	135	140
Val Leu Pro Val Pro Ala Glu Asn Thr Xaa Ile Leu Pro Thr Ile Pro	145	150	155
Gln Ala Asn Pro Pro Xaa Val Leu Val Asn Thr Asp Ser Leu Glu Thr	165	170	175
Pro Thr Tyr Val Asn Gly Thr Asp Ala Asp Tyr Glu Tyr Glu Glu Ile	180	185	190
Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly	195	200	205
Thr Asp Asn Pro His Ile Gly Asp Asp Ser Ser Ile Phe Ile Thr Lys	210	215	220
Ile Ile Thr Gly Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val Asn	225	230	235
Asp Cys Ile Leu Arg Val Asn Glu Val Asp Val Arg Asp Val Thr His	245	250	255
Ser Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Xaa Val Arg Leu	260	265	270
Tyr Val Lys Arg Arg Lys Pro Val Ser Glu Lys Ile Met Glu Ile Lys			

5103

275		280		285
Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Xaa Ile Ala Gly Gly Val				
290		295		300
Gly Asn Gln His Ile Xaa Gly Asp Asn Ser Ile Tyr Val Thr Xaa Ile				
305		310		315
Ile Glu Gly Gly Ala Ala His Lys Asp Gly Lys Leu Gln Ile Gly Asp				
	325		330	335
Lys Leu Leu Ala Val Asn Asn Val Cys Leu Glu Glu Val Thr His Glu				
	340		345	350
Glu Ala Val Xaa Ala Leu Lys Ser Thr Ser Xaa Phe				
355		360		

<210> 5813

<211> 277

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5813

Gly Ser Cys Ser Ser Arg Cys Asp Ser Arg Asn Gln Arg His Leu Arg				
1		5		10
Val Ser Arg Lys Pro Pro Phe Val Val Ser Arg Thr Glu Gly Tyr Ile				
	20		25	30
Gly Val Leu Ile Asp Asp Leu Thr Thr Leu Gly Thr Xaa Glu Pro Tyr				
	35		40	45
Arg Met Phe Thr Ser Arg Val Glu Phe Arg Leu Ser Leu Arg Pro Asp				
	50		55	60
Asn Ala Asp Ser Arg Leu Thr Leu Arg Gly Tyr Lys Asp Ala Gly Cys				
	65		70	75
Val Ser Gln Gln Arg Tyr Glu Arg Ala Cys Trp Met Lys Ser Ser Leu				
	85		90	95
Glu Glu Gly Ile Ser Val Leu Lys Ser Ile Glu Phe Leu Ser Ser Lys				
	100		105	110

5104

Trp Lys Lys Leu Ile Pro Glu Ala Ser Ile Ser Thr Ser Arg Ser Leu
 115 120 125

Pro Val Arg Ala Leu Asp Val Leu Lys Tyr Glu Glu Val Asp Met Asp
 130 135 140

Ser Leu Ala Lys Ala Val Pro Glu Pro Leu Lys Lys Tyr Thr Lys Cys
 145 150 155 160

Arg Glu Leu Ala Glu Arg Leu Lys Ile Glu Ala Thr Tyr Glu Ser Val
 165 170 175

Leu Phe His Gln Leu Gln Glu Ile Lys Gly Val Gln Gln Asp Glu Ala
 180 185 190

Leu Gln Leu Pro Lys Asp Leu Asp Tyr Leu Thr Ile Arg Asp Val Ser
 195 200 205

Leu Ser His Glu Val Arg Glu Lys Leu His Phe Ser Arg Pro Gln Thr
 210 215 220

Ile Gly Ala Ala Ser Arg Ile Pro Gly Val Thr Pro Ala Ala Ile Ile
 225 230 235 240

Asn Leu Leu Arg Phe Val Lys Thr Thr Gln Arg Arg Gln Ser Ala Met
 245 250 255

Asn Glu Ser Ser Lys Thr Asp Gln Tyr Leu Cys Asp Ala Asp Arg Leu
 260 265 270

Gln Glu Arg Glu Leu
 275

<210> 5814

<211> 36

<212> PRT

<213> Homo sapiens

<400> 5814

Ile Phe His Arg Val Leu Leu Cys Asp Leu Asn Phe Ser Leu Gly Pro
 1 5 10 15

Ala Ser Asp Ile Val Gly Gly Leu Ser Trp Phe Gln Glu Ile Arg Leu
 20 25 30

Ala Phe Ser Ser
 35

5105

<210> 5815

<211> 160

<212> PRT

<213> Homo sapiens

<400> 5815

Ala Gly Ser Gln Glu Ser Ala Lys Ala Leu Met Ile Arg Glu Lys Tyr
 1 5 10 15

Ala Gly Ser Pro Thr His Leu Pro Ala Asp His Ile Pro Val Pro Gly
 20 25 30

Ser Ser Arg Ala Asp Thr Ala Pro Pro Glu Glu Gly Leu Pro Asp Phe
 35 40 45

His Pro Pro Pro Leu Pro Gln Glu Asp Pro Tyr Cys Leu Asp Asp Ala
 50 55 60

Pro Pro Asn Leu Asp Tyr Leu Val His Met Gln Gly Gly Ile Leu Phe
 65 70 75 80

Val Tyr Asp Asn Lys Lys Met Leu Glu His Gln Glu Pro His Ser Leu
 85 90 95

Pro Tyr Pro Asp Leu Glu Thr Tyr Thr Val Asp Met Ser His Ile Leu
 100 105 110

Ala Leu Ile Thr Asp Gly Pro Thr Lys Thr Tyr Cys His Arg Arg Leu
 115 120 125

Asn Phe Leu Glu Ser Lys Phe Ser Leu His Glu Met Leu Asn Glu Met
 130 135 140

Ser Glu Phe Lys Glu Leu Lys Ser Asn Pro His Arg Asp Phe Tyr Asn
 145 150 155 160

<210> 5816

<211> 71

<212> PRT

<213> Homo sapiens

<400> 5816

Lys Thr Lys Tyr Leu Leu Trp Asp Lys Ile Leu Tyr Ala Tyr Leu Glu
 1 5 10 15

5106

Tyr Trp Glu Asp Gly Lys Glu Tyr Lys Glu Lys Asn Asn Cys Thr Pro
 20 25 30

His Ser Arg His Asn Leu Leu Phe Thr Ser Leu Gly Cys Ile Ser Ile
 35 40 45

Pro Thr Arg Trp Asn His Leu Tyr Val Tyr Leu Ile Arg Ile Met Leu
 50 55 60

His Thr Val Leu Phe Pro Ser
 65 70

<210> 5817

<211> 23

<212> PRT

<213> Homo sapiens

<400> 5817

Lys Lys Ala Trp Glu Pro Val Cys Phe Glu Arg Thr Asp Asp Ile Gly
 1 5 10 15

Arg Ala Leu Glu Val Pro Gly
 20

<210> 5818

<211> 155

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

5107

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5818

Pro His Pro Thr Xaa Trp Xaa Gln Leu Glu Glu Xaa Cys Arg Arg Leu
1 5 10 15

Ala Glu Val Ser Lys Pro Pro Lys Gln Arg Cys Cys Val Ala Ser Gln
20 25 30

Gln Arg Asp Arg Asn His Ser Ala Thr Val Gln Thr Gly Ala Thr Xaa
35 40 45

Phe Ser Asn Pro Ser Leu Ala Pro Glu Asp His Lys Glu Pro Lys Lys
50 55 60

Leu Ala Gly Val His Ala Leu Gln Ala Ser Glu Leu Val Val Thr Tyr
65 70 75 80

Phe Phe Cys Gly Glu Glu Ile Pro Tyr Arg Arg Met Leu Lys Ala Gln
85 90 95

Ser Leu Thr Leu Gly His Phe Lys Glu Gln Leu Ser Lys Lys Gly Asn
100 105 110

Tyr Arg Tyr Tyr Phe Lys Lys Ala Ser Asp Glu Phe Ala Cys Gly Ala
115 120 125

Val Phe Glu Glu Ile Trp Glu Asp Glu Thr Val Leu Pro Met Tyr Glu
130 135 140

Gly Arg Ile Leu Gly Lys Val Glu Arg Ile Asp
145 150 155

<210> 5819

<211> 317

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5108

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (245)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5819

Met Asn Lys Leu Asn Glu Leu Glu Lys Ile Cys Glu Ile Leu Gln Ala

1

5

10

15

Glu Lys Tyr Xaa Leu Val Thr Glu Leu Asn Asp Ser Arg Ser Glu Cys

20

25

30

Ile Thr Ala Thr Arg Lys Met Ala Glu Glu Val Gly Lys Leu Leu Asn

35

40

45

Glu Val Lys Ile Leu Asn Asp Asp Ser Gly Leu Leu His Gly Glu Leu

50

55

60

Val Glu Asp Ile Pro Gly Gly Glu Phe Gly Glu Gln Pro Asn Glu Gln

65

70

75

80

His Pro Val Ser Leu Ala Pro Leu Asp Glu Ser Asn Ser Tyr Glu His

85

90

95

Leu Thr Leu Ser Asp Lys Glu Val Gln Met His Phe Ala Glu Leu Gln

100

105

110

Xaa Lys Phe Xaa Ser Leu Gln Ser Glu His Lys Ile Leu His Asp Gln

115

120

125

His Cys Gln Met Ser Ser Lys Met Ser Glu Leu Gln Thr Tyr Val Asp

130

135

140

Ser Leu Lys Ala Glu Asn Leu Val Leu Ser Thr Asn Leu Arg Asn Phe

145

150

155

160

Gln Gly Asp Leu Val Lys Glu Met Gln Leu Gly Leu Glu Glu Gly Leu

165

170

175

Val Pro Ser Leu Ser Ser Ser Cys Val Pro Asp Ser Ser Ser Leu Ser

180

185

190

Ser Leu Gly Asp Ser Ser Phe Tyr Arg Ala Leu Leu Glu Gln Thr Gly

195

200

205

Asp Met Ser Leu Leu Ser Asn Leu Glu Gly Ala Val Ser Ala Asn Gln

210

215

220

5109

Cys Ser Val Asp Glu Val Phe Cys Ser Ser Leu Gln Glu Glu Asn Leu
 225 230 235 240
 Thr Arg Lys Glu Xaa Pro Ser Ala Pro Ala Lys Gly Val Glu Glu Leu
 245 250 255
 Glu Ser Leu Cys Glu Val Tyr Arg Gln Ser Leu Glu Lys Leu Glu Glu
 260 265 270
 Lys Met Glu Ser Gln Gly Ile Met Lys Asn Lys Glu Ile Gln Glu Leu
 275 280 285
 Glu Gln Leu Leu Ser Ser Glu Gly Lys Ser Leu Thr Ala Leu Gly Ala
 290 295 300
 Val Phe Val Arg His Asp Ser Gly Thr Glu Leu Thr Ala
 305 310 315

<210> 5820

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5820

Pro Asn Trp Glu Lys Lys Cys Ile Arg Leu Ala Leu Xaa Thr Arg Glu
 1 5 10 15
 Gln His Ile Arg Arg Asp Lys Ala Thr Ser Asn Ile Cys Thr Ala Gln
 20 25 30
 Ala Leu Leu Ala Asn Met Ala Ala Met Phe Ala Ile Tyr His Gly Ser
 35 40 45
 His Gly Leu Xaa His Ile Ala
 50 55

5110

<210> 5821

<211> 70

<212> PRT

<213> Homo sapiens

<400> 5821

Asn Gln Asn Lys Gly Gln Tyr Arg Lys Tyr His Gly Val Tyr Asn Lys
 1 5 10 15

Leu Asn Phe Trp Leu Pro Ile Gln Thr Gly Leu Asn Gly Met Phe Ile
 20 25 30

Leu Asn Lys Glu Phe Ala Met Asp Lys Ile Tyr Leu Ala Tyr Cys Glu
 35 40 45

Leu Glu Val Arg Pro Ala Val Thr Leu Val Phe Pro His Ser Met Glu
 50 55 60

Glu Glu Glu Arg Lys Thr
 65 70

<210> 5822

<211> 465

<212> PRT

<213> Homo sapiens

<400> 5822

Ala Gly Glu Lys Leu Leu Lys Asp Cys Val Leu Leu His Leu Pro Cys
 1 5 10 15

Ala Arg Ser Pro Pro Val Ser His Ser Val Thr Met Val Gln Trp Lys
 20 25 30

Arg Leu Cys Gln Leu His Tyr Leu Trp Ala Leu Gly Cys Tyr Met Leu
 35 40 45

Leu Ala Thr Val Ala Leu Lys Leu Ser Phe Arg Leu Lys Cys Asp Ser
 50 55 60

Asp His Leu Gly Leu Glu Ser Arg Glu Ser Gln Ser Gln Tyr Cys Arg
 65 70 75 80

Asn Ile Leu Tyr Asn Phe Leu Lys Leu Pro Ala Lys Arg Ser Ile Asn
 85 90 95

Cys Ser Gly Val Thr Arg Gly Asp Gln Glu Ala Val Leu Gln Ala Ile
 100 105 110

Leu Asn Asn Leu Glu Val Lys Lys Lys Arg Glu Pro Phe Thr Asp Thr

5111

115		120		125
His Tyr Leu Ser Leu Thr Arg Asp Cys Glu His Phe Lys Ala Glu Arg				
130		135		140
Lys Phe Ile Gln Phe Pro Leu Ser Lys Glu Glu Val Glu Phe Pro Ile				
145		150		155
				160
Ala Tyr Ser Met Val Ile His Glu Lys Ile Glu Asn Phe Glu Arg Leu				
		165		170
				175
Leu Arg Ala Val Tyr Ala Pro Gln Asn Ile Tyr Cys Val His Val Asp				
		180		185
				190
Glu Lys Ser Pro Glu Thr Phe Lys Glu Ala Val Lys Ala Ile Ile Ser				
		195		200
				205
Cys Phe Pro Asn Val Phe Ile Ala Ser Lys Leu Val Arg Val Val Tyr				
		210		215
				220
Ala Ser Trp Ser Arg Val Gln Ala Asp Leu Asn Cys Met Glu Asp Leu				
		225		230
				235
				240
Leu Gln Ser Ser Val Pro Trp Lys Tyr Phe Leu Asn Thr Cys Gly Thr				
		245		250
				255
Asp Phe Pro Ile Lys Ser Asn Ala Glu Met Val Gln Ala Leu Lys Met				
		260		265
				270
Leu Asn Gly Arg Asn Ser Met Glu Ser Glu Val Pro Pro Lys His Lys				
		275		280
				285
Glu Thr Arg Trp Lys Tyr His Phe Glu Val Val Arg Asp Thr Leu His				
		290		295
				300
Leu Thr Asn Lys Lys Lys Asp Pro Pro Pro Tyr Asn Leu Thr Met Phe				
		305		310
				315
				320
Thr Gly Asn Ala Tyr Ile Val Ala Ser Arg Asp Phe Val Gln His Val				
		325		330
				335
Leu Lys Asn Pro Lys Ser Gln Gln Leu Ile Glu Trp Val Lys Asp Thr				
		340		345
				350
Tyr Ser Pro Asp Glu His Leu Trp Ala Thr Leu Gln Arg Ala Arg Trp				
		355		360
				365
Met Pro Gly Ser Val Pro Asn His Pro Lys Tyr Asp Ile Ser Asp Met				
		370		375
				380
Thr Ser Ile Ala Arg Leu Val Lys Trp Gln Gly His Glu Gly Asp Ile				

5112

385 390 395 400
 Asp Lys Gly Ala Pro Tyr Ala Pro Cys Ser Gly Ile His Gln Arg Ala
 405 410 415
 Ile Cys Val Tyr Gly Ala Gly Asp Leu Asn Trp Met Leu Gln Asn His
 420 425 430
 His Leu Leu Ala Asn Lys Phe Asp Pro Lys Val Asp Asp Asn Ala Leu
 435 440 445
 Gln Cys Leu Glu Glu Tyr Leu Arg Tyr Lys Ala Ile Tyr Gly Thr Glu
 450 455 460
 Leu
 465

<210> 5823

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5823

His Gln Pro His Gly Ser Pro Glu Leu Cys Trp Lys Val Glu Thr Gly
 1 5 10 15

Arg Glu Ala Ser His Gly Ser Xaa Glu Pro Asp Pro Thr Asn Gln Leu
 20 25 30

Ile Phe Lys Arg Gln Asp Gly Gly Arg Asp His Ser Arg Glu Pro Cys
 35 40 45

Ser Leu Phe Leu Pro Val Ala Lys Ser Gly Ala Arg Lys Ser Leu Ser
 50 55 60

Val

65

<210> 5824

<211> 101

<212> PRT

<213> Homo sapiens

5113

<400> 5824

Asp Leu Gly Leu Glu Gly Trp Gly Met Gly Arg Glu Gly His Ser Leu
 1 5 10 15

Leu Leu His Glu Ser Asp Ile Ser Glu Thr Glu Gln Leu Pro Asp Ala
 20 25 30

Trp Val Arg Asn Pro Arg Pro His Leu Leu Arg Thr Gly Ser Ser Glu
 35 40 45

Ser Thr Leu Arg Glu Lys Gly Glu Asn Ile Thr Ser Val Asp Ser Pro
 50 55 60

Ala Thr Thr Ala Leu Glu Glu Lys Ala Ala Ala Thr Ser Gln Arg Gly
 65 70 75 80

Val Lys Asp Pro Cys Pro Arg Asn Arg Ala Ala Pro Pro Ala Leu Thr
 85 90 95

Pro Leu Thr Phe Ser
 100

<210> 5825

<211> 62

<212> PRT

<213> Homo sapiens

<400> 5825

His Val Ser Phe Ala Leu Leu Val Phe Tyr Val Ile Ser Phe Asn Cys
 1 5 10 15

Leu Leu His Leu Thr Val Tyr Ile Ile Gln Gln Phe Thr Ser Leu Asn
 20 25 30

Ser Arg Trp Lys Asn Arg Cys Gln Ser Met Lys Ile Phe Pro Ser Ile
 35 40 45

Ser Lys Tyr Phe Ser Arg Ile Tyr Phe Ser Lys Gln Thr Ile
 50 55 60

<210> 5826

<211> 152

<212> PRT

<213> Homo sapiens

<220>

5114

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5826

Val Leu Glu Leu Asp Gln Glu Glu Leu Gln Leu Gly Arg Gly Gly Ala
 1 5 10 15

Pro Arg Arg Ala Arg Ala Ala Arg Arg Gly Val Leu Leu Leu Ala His
 20 25 30

Arg Glu Pro Pro Pro Ala Arg Ala Glu Ala Pro Ser Arg Gln Ala Ala
 35 40 45

Cys Leu Pro Pro Leu Ser Ile Ser Pro Glu Ser Gln Pro Gly Ala Pro
 50 55 60

Gly Pro Leu Pro Leu Ser Gly Trp Arg Ser Ser Arg Pro Leu Pro Val
 65 70 75 80

Ser Leu Leu Leu Ser Leu Gly Ser Gln Pro Pro Leu Ser Phe Ser Trp
 85 90 95

Thr Gly Ser His Pro Leu Arg Ser Pro Ser Phe Ser Ser Gly Ser Leu
 100 105 110

Pro Leu Pro Leu Ala His Lys Pro Arg Ser Pro Lys Leu Leu Ser His
 115 120 125

Phe Pro Xaa Pro Lys Val Pro Ala Phe Leu Leu Pro Phe Leu Cys Thr
 130 135 140

Ile Pro Ile Leu Pro Phe Leu Tyr
 145 150

<210> 5827

<211> 86

<212> PRT

<213> Homo sapiens

<400> 5827

Pro Ile Glu Ile Glu Arg Cys Glu Pro Val Arg Ser Lys Leu Glu Glu
 1 5 10 15

Val Gln Arg Lys Leu Gly Phe Ala Leu Ser Asp Ile Ser Val Val Ser
 20 25 30

Asn Tyr Ser Ser Glu Trp Glu Leu Asp Pro Val Lys Asp Val Leu Ile
 35 40 45

5115

Leu Ser Ala Leu Arg Arg Met Leu Trp Ala Ala Asp Asp Phe Leu Glu
 50 55 60

Asp Leu Pro Phe Glu Gln Ile Gly Asn Leu Arg Glu Glu Ile Ile Asn
 65 70 75 80

Cys Ala Gln Gly Lys Lys
 85

<210> 5828

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5828

Ala Thr Val His Pro Ala Cys Gln Ile Phe Pro His Tyr Thr Pro Ser
 1 5 10 15

Val Ala Tyr Pro Trp Ser Pro Glu Ala His Pro Leu Ile Cys Gly Pro
 20 25 30

Pro Gly Leu Asp Lys Arg Leu Leu Pro Glu Thr Pro Gly Pro Cys Tyr
 35 40 45

Ser Asn Ser Gln Pro Val Trp Leu Cys Leu Xaa Pro Arg Gln Pro Leu
 50 55 60

Glu Pro His Pro Pro Gly Glu Gly Pro Ser Glu Trp Ser Ser Asp Thr
 65 70 75 80

Ala Glu Gly Arg Pro Cys Pro Tyr Pro His Cys Gln Val Cys Arg Pro
 85 90 95

Ser Leu Ala Gln Arg Arg Asn Ser Arg Ser Cys Val Asn Arg Leu Cys
 100 105 110

Glu Met Phe Arg Pro Ser Ser Asn Gln Glu Cys Ala Pro Asp Val Phe
 115 120 125

Gly Pro Tyr Leu Ala Gln Ser Pro Ala Pro Gly Lys Gly Lys Asp His
 130 135 140

Ser Lys His His Ser Phe Cys Arg Thr Ser

5116

145

150

<210> 5829

<211> 53

<212> PRT

<213> Homo sapiens

<400> 5829

Ile Phe Phe Leu Ile Ala Leu Leu Val Lys Ser Glu Lys Lys Asn Gln
 1 5 10 15

Arg Arg Phe Glu Thr Gly Ala Leu Cys Ala Arg Met Thr Lys Cys Thr
 20 25 30

Ser Phe Arg Val Cys Met Leu Val Asn Ser Gln Ile Tyr Leu Tyr Phe
 35 40 45

Phe Ala Ser Ile Glu
 50

<210> 5830

<211> 75

<212> PRT

<213> Homo sapiens

<400> 5830

Lys Asn Phe Glu Ser Thr Tyr Asn Leu Glu Pro Pro Arg Ser Thr Phe
 1 5 10 15

Glu Leu Ser Tyr Leu Ser Gly Gln Lys Gln Cys Gly Ser Cys Met Tyr
 20 25 30

Leu Ile Asp Val Ser Cys Leu Pro Lys Met Tyr Thr Ile Arg Leu Cys
 35 40 45

Pro Asp His Pro Gly His Met Phe Ser Gly Pro Pro Glu Val Ser Val
 50 55 60

Ser Gly His Trp Ser Leu Arg Phe Gly Ser Glu
 65 70 75

<210> 5831

<211> 356

<212> PRT

<213> Homo sapiens

5117

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5831

Ala	Leu	Leu	Ser	Trp	Glu	Met	Ser	Ala	Ala	Cys	Trp	Glu	Glu	Pro	Trp
1				5					10					15	

Gly	Leu	Pro	Gly	Gly	Phe	Ala	Lys	Xaa	Val	Leu	Val	Thr	Gly	Gly	Ala
			20					25					30		

Gly	Phe	Ile	Ala	Ser	His	Met	Ile	Val	Ser	Leu	Val	Glu	Asp	Tyr	Pro
		35					40					45			

Asn	Tyr	Met	Ile	Ile	Asn	Leu	Asp	Lys	Leu	Asp	Tyr	Cys	Ala	Ser	Leu
	50					55					60				

Lys	Asn	Leu	Glu	Thr	Ile	Ser	Asn	Lys	Gln	Asn	Tyr	Lys	Phe	Ile	Gln
65					70					75					80

Gly	Asp	Ile	Cys	Asp	Ser	His	Phe	Val	Lys	Leu	Leu	Phe	Glu	Thr	Glu
				85					90					95	

Lys	Ile	Asp	Ile	Val	Leu	His	Phe	Ala	Ala	Gln	Thr	His	Val	Asp	Leu
		100						105					110		

Ser	Phe	Val	Arg	Ala	Phe	Glu	Phe	Thr	Tyr	Val	Asn	Val	Tyr	Gly	Thr
		115					120					125			

His	Val	Leu	Val	Ser	Ala	Ala	His	Glu	Ala	Arg	Val	Glu	Lys	Phe	Ile
	130					135					140				

Tyr	Val	Ser	Thr	Asp	Glu	Val	Tyr	Gly	Gly	Ser	Leu	Asp	Lys	Glu	Phe
145					150					155				160	

Asp	Glu	Ser	Ser	Pro	Lys	Gln	Pro	Thr	Asn	Pro	Tyr	Ala	Ser	Ser	Lys
				165					170					175	

Ala	Ala	Ala	Glu	Cys	Phe	Val	Gln	Ser	Tyr	Trp	Glu	Gln	Tyr	Lys	Phe
			180					185					190		

Pro	Val	Val	Ile	Thr	Arg	Ser	Ser	Asn	Val	Tyr	Gly	Pro	His	Gln	Tyr
		195					200					205			

Pro	Glu	Lys	Val	Ile	Pro	Lys	Phe	Ile	Ser	Leu	Leu	Gln	His	Asn	Arg
	210					215					220				

Lys	Cys	Cys	Ile	His	Gly	Ser	Gly	Leu	Gln	Thr	Arg	Asn	Phe	Leu	Tyr
225					230					235				240	

5118

Ala Thr Asp Val Val Glu Ala Phe Leu Thr Val Leu Lys Lys Gly Lys
 245 250 255

Pro Gly Glu Ile Tyr Asn Ile Gly Thr Asn Phe Glu Met Ser Val Val
 260 265 270

Gln Leu Ala Lys Glu Leu Ile Gln Leu Ile Lys Glu Thr Asn Ser Glu
 275 280 285

Ser Glu Met Glu Asn Trp Val Asp Tyr Val Asn Asp Arg Pro Thr Asn
 290 295 300

Asp Met Arg Tyr Pro Met Lys Ser Glu Lys Ile His Gly Leu Gly Trp
 305 310 315 320

Arg Pro Lys Val Pro Trp Lys Glu Gly Ile Lys Lys Thr Ile Glu Trp
 325 330 335

Tyr Arg Glu Asn Phe His Asn Trp Lys Asn Val Glu Lys Ala Leu Glu
 340 345 350

Pro Phe Pro Val
 355

<210> 5832
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 5832
 Ala Lys Thr Ser His Leu Glu Phe Gly Lys Ile Arg Ile Ser Gln Val
 1 5 10 15

Glu His Leu Leu Asn Ala Arg Ile Val Ser Met His Phe Lys Ser Ile
 20 25 30

Phe Asn Leu Tyr Tyr Ser Leu Ile Ile Gly Ile Met Thr Pro Glu Gln
 35 40 45

Arg Gln Leu Ser
 50

<210> 5833
 <211> 55
 <212> PRT
 <213> Homo sapiens

5119

<400> 5833

Thr Arg Met Pro Ser Lys Ala Ala Leu Met Glu Glu Ala Lys Leu Met
1 5 10 15

Ala Ser Leu Trp His Leu Ala Ala Met Ala Phe Ile Thr Tyr Val Leu
20 25 30

Leu Ala Gly Met Ala Leu Gly Ile Gln Lys Arg Ser Val Pro Ser Pro
35 40 45

Ser Leu Thr Leu Pro Ser Leu
50 55

<210> 5834

<211> 231

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

5122

<210> 5835

<211> 57

<212> PRT

<213> Homo sapiens

<400> 5835

Ala Asp Leu Arg Glu Gln Arg Gly Leu Arg Gln Ala Thr Asp His Gln
1 5 10 15

Glu Leu Val Glu Ile Pro Thr Arg Pro Leu Leu Thr Lys Leu Ser Leu
20 25 30

Ile Thr Ala Pro Arg Arg Gly Glu Arg Ala Pro Val Pro Leu Arg Ala
35 40 45

Gly Gly His Ser Thr Gly Asp Thr Ala
50 55

<210> 5836

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5836

Ile Ala His Tyr Phe Leu Tyr Arg Tyr Leu Lys Lys Thr Val Tyr Gly
1 5 10 15

Leu His Phe Phe Xaa Cys His Ile Gly Leu Met Leu Leu Ser Asn Gly
20 25 30

Gly Ala Arg Ser His His Ser Leu Ser Pro Gln Ile Asp Phe Val Pro
35 40 45

Pro Ser Asn Lys Leu Ser Lys Ser
50 55

<210> 5837

<211> 555

<212> PRT

<213> Homo sapiens

5123

<400> 5837

Gln Tyr Arg Ser Glu Phe Pro Gly Arg Pro Thr Arg Pro Ala Val Thr
 1 5 10 15
 Ala Thr Ala Ala Ser Asp Arg Met Glu Ser Asp Ser Asp Ser Asp Lys
 20 25 30
 Ser Ser Asp Asn Ser Gly Leu Lys Arg Lys Thr Pro Ala Leu Lys Met
 35 40 45
 Ser Val Ser Lys Arg Ala Arg Lys Ala Ser Ser Asp Leu Asp Gln Ala
 50 55 60
 Ser Val Ser Pro Ser Glu Glu Glu Asn Ser Glu Ser Ser Ser Glu Ser
 65 70 75 80
 Glu Lys Thr Ser Asp Gln Asp Phe Thr Pro Glu Lys Lys Ala Ala Val
 85 90 95
 Arg Ala Pro Arg Arg Gly Pro Leu Gly Gly Arg Lys Lys Lys Lys Ala
 100 105 110
 Pro Ser Ala Ser Asp Ser Asp Ser Lys Ala Asp Ser Asp Gly Ala Lys
 115 120 125
 Pro Glu Pro Val Ala Met Ala Arg Ser Ala Ser Ser Ser Ser Ser
 130 135 140
 Ser Ser Ser Ser Asp Ser Asp Val Ser Val Lys Lys Pro Pro Arg Gly
 145 150 155 160
 Arg Lys Pro Ala Glu Lys Pro Leu Pro Lys Pro Arg Gly Arg Lys Pro
 165 170 175
 Lys Pro Glu Arg Pro Pro Ser Ser Ser Ser Asp Ser Asp Ser Asp
 180 185 190
 Glu Val Asp Arg Ile Ser Glu Trp Lys Arg Arg Asp Glu Ala Arg Arg
 195 200 205
 Arg Glu Leu Glu Ala Arg Arg Arg Arg Glu Gln Glu Glu Glu Leu Arg
 210 215 220
 Arg Leu Arg Glu Gln Glu Lys Glu Glu Lys Glu Arg Arg Arg Glu Arg
 225 230 235 240
 Ala Asp Arg Gly Glu Ala Glu Arg Gly Ser Gly Gly Ser Ser Gly Asp
 245 250 255
 Glu Leu Arg Glu Asp Asp Glu Pro Val Lys Lys Arg Gly Arg Lys Gly
 260 265 270

5124

Arg Gly Arg Gly Pro Pro Ser Ser Ser Asp Ser Glu Pro Glu Ala Glu
 275 280 285

Leu Glu Arg Glu Ala Lys Lys Ser Ala Lys Lys Pro Gln Ser Ser Ser
 290 295 300

Thr Glu Pro Ala Arg Lys Pro Gly Gln Lys Glu Lys Arg Val Arg Pro
 305 310 315 320

Glu Glu Lys Gln Gln Ala Lys Pro Val Lys Val Glu Arg Thr Arg Lys
 325 330 335

Arg Ser Glu Gly Phe Ser Met Asp Arg Lys Val Glu Lys Lys Lys Glu
 340 345 350

Pro Ser Val Glu Glu Lys Leu Gln Lys Leu His Ser Glu Ile Lys Phe
 355 360 365

Ala Leu Lys Val Asp Ser Pro Asp Val Lys Arg Cys Leu Asn Ala Leu
 370 375 380

Glu Glu Leu Gly Thr Leu Gln Val Thr Ser Gln Ile Leu Gln Lys Asn
 385 390 395 400

Thr Asp Val Val Ala Thr Leu Lys Lys Ile Arg Arg Tyr Lys Ala Asn
 405 410 415

Lys Asp Val Met Glu Lys Ala Ala Glu Val Tyr Thr Arg Leu Lys Ser
 420 425 430

Arg Val Leu Gly Pro Lys Ile Glu Ala Val Gln Lys Val Asn Lys Ala
 435 440 445

Gly Met Glu Lys Glu Lys Ala Glu Glu Lys Leu Ala Gly Glu Glu Leu
 450 455 460

Ala Gly Glu Glu Ala Pro Gln Glu Lys Ala Glu Asp Lys Pro Ser Thr
 465 470 475 480

Asp Leu Ser Ala Pro Val Asn Gly Glu Ala Thr Ser Gln Lys Gly Glu
 485 490 495

Ser Ala Glu Asp Lys Glu His Glu Glu Gly Arg Asp Ser Glu Glu Gly
 500 505 510

Pro Arg Cys Gly Ser Ser Glu Asp Leu His Asp Ser Val Arg Glu Gly
 515 520 525

Pro Asp Leu Asp Arg Pro Gly Ser Asp Arg Gln Glu Arg Glu Arg Ala
 530 535 540

5125

Arg Gly Asp Ser Glu Ala Leu Asp Glu Glu Ser
 545 550 555

<210> 5838

<211> 227

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (208)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5838

Gln His Pro Gln Pro Ala Asp Ser Arg Gln Thr Gly Ser Ser Lys Ala
 1 5 10 15

Leu Ala Gln Thr Leu Pro Pro Pro Thr Xaa Ala Gly Glu Ser Asn Ser
 20 25 30

Val Thr Cys Asn Cys Gly Gln Glu Ala Val Leu Leu Thr Val Arg Lys
 35 40 45

Glu Gly Pro Asn Arg Gly Arg Gln Phe Phe Lys Cys Asn Gly Gly Ser
 50 55 60

Cys Asn Phe Phe Leu Trp Ala Asp Ser Pro Asn Pro Gly Ala Gly Gly
 65 70 75 80

Pro Pro Ala Leu Ala Tyr Arg Pro Leu Gly Ala Ser Leu Gly Cys Pro
 85 90 95

Pro Gly Pro Gly Ile His Leu Gly Gly Phe Gly Asn Pro Gly Asp Gly
 100 105 110

Ser Gly Ser Gly Thr Ser Cys Leu Cys Ser Gln Pro Ser Val Thr Arg
 115 120 125

Thr Val Gln Lys Asp Gly Pro Asn Lys Gly Arg Gln Phe His Thr Cys
 130 135 140

Ala Lys Pro Arg Glu Gln Gln Cys Gly Phe Phe Gln Trp Val Asp Glu
 145 150 155 160

5126

Asn Thr Ala Pro Gly Thr Ser Gly Ala Pro Ser Trp Thr Gly Asp Arg
 165 170 175

Gly Arg Thr Leu Glu Ser Glu Ala Arg Ser Lys Arg Pro Arg Ala Gly
 180 185 190

Ser Ser Asp Met Gly Ser Thr Ala Lys Lys Pro Arg Lys Cys Ser Xaa
 195 200 205

Cys His Gln Pro Gly Thr His Pro Ser Leu Leu Ser Ser Glu Gln Met
 210 215 220

Ser Ser Gly
 225

<210> 5839

<211> 254

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5839

Gly Arg Ser Arg Val Ser Ser Arg Lys Arg His Pro Ala Gly Pro Pro
 1 5 10 15

Gly Glu Ala Gln Glu Gly Ser Ala Lys Ala Glu Arg Pro Gly Leu Gln
 20 25 30

Asn Met Glu Leu Ala Pro Val Gln Arg Lys Ile Glu Ala Arg Ser Ala
 35 40 45

Glu Asp Ser Phe Thr Gly Phe Val Arg Thr Leu Tyr Phe Ala Asp Thr
 50 55 60

Tyr Leu Lys Asp Ser Ser Arg His Cys Pro Ser Leu Trp Ala Gly Thr
 65 70 75 80

Asn Gly Gly Thr Ile Tyr Ala Phe Ser Leu Arg Val Pro Pro Ala Glu
 85 90 95

Arg Arg Met Asp Glu Pro Val Arg Ala Glu Gln Ala Lys Glu Ile Gln
 100 105 110

Leu Met His Arg Ala Pro Val Val Gly Ile Leu Val Leu Asp Gly His

5127

115	120	125
Ser Val Pro Leu Pro Glu Pro Leu Glu Val Ala His Asp Leu Ser Lys		
130	135	140
Ser Pro Asp Met Gln Gly Ser His Gln Leu Leu Val Val Ser Glu Glu		
145	150	155
Gln Phe Lys Val Phe Thr Leu Pro Lys Val Ser Xaa Lys Leu Lys Leu		
165	170	175
Lys Leu Thr Ala Leu Glu Gly Ser Arg Val Arg Arg Val Ser Val Ala		
180	185	190
His Phe Gly Ser Arg Arg Ala Glu Asp Tyr Gly Glu His His Leu Ala		
195	200	205
Val Leu Thr Asn Leu Gly Asp Ile Gln Val Val Ser Leu Pro Leu Leu		
210	215	220
Lys Pro Gln Val Arg Tyr Ser Cys Ile Arg Arg Glu Asp Val Met Ala		
225	230	235
Ser Pro Pro Ala Ser Ser Pro Asn Met Ala Lys Ala Ser Thr		
245	250	

<210> 5840

<211> 88

<212> PRT

<213> Homo sapiens

<400> 5840

Gln Pro Ile His Thr Arg Pro Gly Leu Phe Ile Tyr Thr Ala Ala His
1 5 10 15
Ser Ser Leu Gln Leu His Met Leu Tyr Leu Asp His Ser Glu Ala Asn
20 25 30
Ser Glu His Tyr Ile Ile Leu Ser Ile Asn Ile Ser Asn Ile Leu Lys
35 40 45
Tyr Thr Ile Gly Ile Gln Ala Ser Pro Ile Val Pro Gln Met Phe Gly
50 55 60
Cys Phe Cys Ser Trp Ile Val Cys Ile Arg Ile Gln Ala Arg Pro Ile
65 70 75 80
Tyr Cys Ile Tyr Leu Lys Cys Leu
85

5128

<210> 5841

<211> 98

<212> PRT

<213> Homo sapiens

<400> 5841

Ser Phe Thr Gly Gln Ser Arg Thr Lys Ile Val Tyr Ser Met Tyr Ser
 1 5 10 15

Arg Lys Ala Ala Glu Glu Val Lys Arg Glu Leu Ile Lys Leu Lys Val
 20 25 30

Asn Tyr Tyr Ile Leu Glu Glu Ser Trp Cys Val Arg Arg Ser Lys Pro
 35 40 45

Gly Cys Ser Met Pro Glu Ile Trp Asp Val Glu Asp Pro Ala Asn Ala
 50 55 60

Gly Lys Thr Pro Leu Cys Asn Leu Leu Val Lys Asp Ser Lys Pro His
 65 70 75 80

Phe Thr Thr Val Phe Gln Asn Ser Val Tyr Lys Val Leu Glu Val Val
 85 90 95

Lys Glu

<210> 5842

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5842

Arg Ala Glu Phe Gly Thr Xaa Ser Leu Gln Ala Pro Ser Arg Glu Glu
 1 5 10 15

Ala Ala Lys Trp Ser Gln Val Arg Lys Asp Leu Cys Ser Leu Lys Val
 20 25 30

Ser Leu Gln Leu Arg Gly Glu Asp Gly Ser Val Trp Asn Tyr Lys Pro
 35 40 45

5129

Pro Ala Asp Ser Gly Gly Lys Glu Ile Phe Ser Leu Leu Pro His Met
 50 55 60

Ala Asp Met Ser Thr Tyr Met Phe Lys Gly Ile Ile Ser Phe Ala Lys
 65 70 75 80

Val Ile Ser Tyr Phe Arg Asp Leu Pro Ile Glu Asp Gln Ile Ser Cys
 85 90 95

<210> 5843

<211> 158

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5843

Val Thr Ala Xaa Ser Gly Ile Leu Asp Val Thr Val Val Tyr Leu Asn
 1 5 10 15

Pro Glu Gln His Cys Cys Gln Glu Ser Ser Asp Glu Glu Ala Cys Pro
 20 25 30

Glu Asp Lys Gly Pro Gln Asp Pro Gln Ala Leu Ala Leu Asp Thr Gln
 35 40 45

Ile Pro Ala Thr Pro Gly Pro Lys Pro Leu Val Arg Thr Ser Arg Glu
 50 55 60

Pro Gly Lys Asp Val Thr Thr Ser Gly Tyr Ser Ser Val Ser Thr Ala
 65 70 75 80

Ser Pro Thr Ser Ser Val Asp Gly Gly Leu Gly Ala Leu Pro Gln Pro
 85 90 95

Thr Ser Val Leu Ser Leu Asp Ser Asp Ser His Thr Gln Pro Cys His
 100 105 110

His Gln Ala Arg Lys Ser Cys Leu Gln Cys Arg Pro Pro Ser Pro Pro
 115 120 125

Glu Ser Ser Val Pro Gln Gln Gln Val Lys Arg Ile Asn Leu Cys Ile

5130

130 135 140
 His Ser Glu Glu Glu Asp Met Asn Leu Gly Leu Val Arg Leu
 145 150 155

<210> 5844

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5844

Gly Cys Leu Asn Asp Glu His Leu Glu Glu Leu Gly Gly Ile Leu Lys
 1 5 10 15

Ala Lys Leu Glu Gly His Phe Lys Asn Gln Glu Leu Arg Gln Val Lys
 20 25 30

Arg Gln Glu Glu Asn Tyr Asp Gln Gln Val Glu Met Ser Leu Xaa Asp
 35 40 45

Glu Asp Glu Cys Asp Val Tyr Ile Leu Thr Lys Val Ser Asp Ile Xaa
 50 55 60

His Ser Leu Phe Lys Tyr Leu
 65 70

<210> 5845

<211> 137

<212> PRT

<213> Homo sapiens

<400> 5845

Arg Gly Gln His Gln Leu Glu Gly Gly Leu Gly Gly Phe Gln Gly Leu
 1 5 10 15

His Gln Val Arg Arg Pro Cys Pro Glu Asp Trp Leu Leu Tyr Gly Arg
 20 25 30

5131

Lys Cys Tyr Phe Phe Ser Glu Glu Pro Arg Asp Trp Asn Thr Gly Arg
35 40 45

Gln Tyr Cys His Thr His Glu Ala Val Leu Ala Val Ile Gln Ser Gln
50 55 60

Lys Glu Leu Glu Phe Met Phe Lys Phe Thr Arg Arg Glu Pro Trp Ile
65 70 75 80

Gly Leu Arg Arg Val Gly Asp Glu Phe His Trp Val Asn Gly Asp Pro
85 90 95

Phe Asp Pro Asp Thr Phe Thr Ile Ala Gly Pro Gly Glu Cys Val Phe
100 105 110

Val Glu Pro Thr Arg Leu Val Ser Thr Glu Cys Leu Met Thr Arg Pro
115 120 125

Trp Val Cys Ser Lys Met Ala Tyr Thr
130 . 135

<210> 5846

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

$\langle 222 \rangle$ (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

$\langle 222 \rangle$ (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5846

Gly Ala Arg Pro Gly Ala Glu Gly Ala Arg Ala Phe Gly Gly Ser Ile
1 5 10 15

Gly Leu Gln Ala Glu Glu Gln Gly Pro Cys His Leu Pro Gly Gly Arg
20 25 30

Ser His Leu Cys Ser Gln Val Arg Gly Ser Ser Gly Gly Glu Thr Glu
35 40 45

Cys Ala Ser Trp Glu Ala Pro Arg Ile Val Gly Gly Glu Leu Ala Ala
50 55 60

5132

Ser Leu Ala Cys Pro Leu Phe Pro Val Pro Pro Ser Arg Leu Ala Pro
 65 70 75 80
 Ala Pro Ala Trp Glu Asp Pro His Leu Arg Leu Gln Cys Leu Phe Pro
 85 90 95
 Leu Glu Ala Leu Pro Ser Ala Arg Gly Pro Arg Ile Leu Pro Trp Pro
 100 105 110
 Ser Glu His Arg Leu Gly Arg Pro Xaa Asn Ser Ser Val Lys Pro Gly
 115 120 125
 Ile Xaa
 130

<210> 5847

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5847

Glu Phe Gly Arg Gly Glu Ile Ser Arg Gly Pro Asp Val His Leu Thr
 1 5 10 15

His Gly Leu Glu Pro Lys Asp Val Asn Arg Glu Phe Arg Leu Thr Glu
 20 25 30

Ser Ser Thr Cys Glu Pro Ser Thr Val Ala Ala Val Leu Ser Arg Ala
 35 40 45

Gln Gly Cys Arg Ser Pro Ser Ala Pro Asp Val Arg Thr Gly Ser Phe
 50 55 60

Ser His Ser Ala Thr Asp Gly Ser Val Gly Leu Ile Gly Val Pro Glu
 65 70 75 80

Lys Lys Val Ala Glu Lys Gln Ala Ser Thr Glu Leu Glu Ala Ala Ser
 85 90 95

5133

Phe Pro Ala Xaa Met Tyr Ser Glu Pro Leu Arg Gln Phe Arg Asp Ser
 100 105 110

Ser Val Gly Asp Gln Asn Ala Gln Val Cys Gln Thr Asn Ser Arg Thr
 115 120 125

Xaa Cys Asn Asn Ser Gly Asp His Thr Pro Trp Ile
 130 135 140

<210> 5848

<211> 194

<212> PRT

<213> Homo sapiens

<400> 5848

Leu Leu Ser Asn Lys Met Asn Phe Val Leu Val Lys Val Arg Tyr Asp
 1 5 10 15

Val Val Gly Met Phe Trp Asn Met Phe Phe Gln Val Ala Ser Gly Gly
 20 25 30

Gly Gly Val Gly Asp Gly Val Gln Glu Pro Thr Thr Gly Asn Trp Arg
 35 40 45

Gly Met Leu Lys Thr Ser Lys Ala Glu Glu Leu Leu Ala Glu Glu Lys
 50 55 60

Ser Lys Pro Ile Pro Ile Met Pro Ala Ser Pro Gln Lys Gly His Ala
 65 70 75 80

Val Asn Leu Leu Asp Val Pro Val Pro Val Ala Arg Lys Leu Ser Ala
 85 90 95

Arg Glu Gln Arg Asp Cys Glu Val Ile Glu Arg Leu Ile Lys Ser Tyr
 100 105 110

Phe Leu Ile Val Arg Lys Asn Ile Gln Asp Ser Val Pro Lys Ala Val
 115 120 125

Met His Phe Leu Val Asn His Val Lys Asp Thr Leu Gln Ser Glu Leu
 130 135 140

Val Gly Gln Leu Tyr Lys Ser Ser Leu Leu Asp Asp Leu Leu Thr Glu
 145 150 155 160

Ser Glu Asp Met Ala Gln Arg Arg Lys Glu Ala Ala Asp Met Leu Lys
 165 170 175

5134

Ala Leu Gln Gly Ala Ser Gln Ile Ile Ala Glu Ile Arg Glu Thr His
180 185 190

Leu Trp

<210> 5849

<211> 75

<212> PRT

<213> Homo sapiens

<400> 5849

Leu Phe Lys Val Ser Asn Val His Pro Gly Leu Gly Ile Thr Asn Val
1 5 10 15

Gly Val Lys Met Pro Thr Lys Gly Phe Ser Ala Leu Glu Val Leu Arg
20 25 30

Ser Pro Ile Cys Ile Lys Ala Asp Pro Phe Cys Lys Asp Leu Ser Phe
35 40 45

Arg Thr Phe Ser Val Leu Leu Val Arg Thr Leu Glu Val Ile Leu Ile
50 55 60

Ile Ser Thr Asp Ser Leu Thr Ala Glu Ala Thr
65 70 75

<210> 5850

<211> 241

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (199)

<223> Xaa equals any of the naturally occurring L-amino acids

5135

<220>

<221> SITE

<222> (226)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (229)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (230)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (231)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5850

Cys	Xaa	Phe	Xaa	Asn	Ala	Gly	Val	Lys	Gln	Ser	Ala	Leu	Leu	Gly	Leu
1				5				10						15	

Lys	Asp	Leu	Leu	Ser	Gln	Tyr	Pro	Phe	Ile	Ile	Asp	Ala	His	Leu	Ser
			20					25					30		

Asn	Ile	Leu	Ser	Glu	Val	Thr	Ala	Val	Phe	Thr	Asp	Lys	Asp	Ala	Asn
		35				40					45				

Val	Arg	Leu	Ala	Ala	Val	Gln	Leu	Leu	Gln	Phe	Leu	Ala	Pro	Lys	Ile
	50					55				60					

Arg	Ala	Glu	Gln	Ile	Ser	Pro	Phe	Phe	Pro	Leu	Val	Ser	Ala	His	Leu
65					70					75					80

Ser	Ser	Ala	Met	Thr	His	Ile	Thr	Glu	Gly	Ile	Gln	Glu	Asp	Ser	Leu
				85					90					95	

Lys	Val	Leu	Asp	Ile	Leu	Leu	Glu	Gln	Tyr	Pro	Ala	Leu	Ile	Thr	Gly
			100					105					110		

Arg	Ser	Ser	Ile	Leu	Leu	Lys	Asn	Phe	Val	Glu	Leu	Ile	Ser	His	Gln
			115				120					125			

Gln	Leu	Ser	Lys	Gly	Leu	Ile	Asn	Arg	Asp	Arg	Ser	Gln	Ser	Trp	Ile
	130					135					140				

Leu	Ser	Val	Asn	Pro	Asn	Arg	Arg	Leu	Thr	Ser	Gln	Gln	Trp	Arg	Leu
145					150					155					160

5136

Lys Val Leu Val Arg Leu Ser Lys Phe Leu Gln Ala Leu Ala Asp Gly
 165 170 175

Ser Ser Arg Leu Arg Glu Ser Glu Gly Leu Gln Glu Gln Lys Glu Asn
 180 185 190

Pro His Ala Thr Ser Asn Xaa Ile Phe Ile Asn Trp Lys Glu His Ala
 195 200 205

Asn Asp Gln Gln His Ile Gln Gly Tyr Glu Asn Gly Gly Ser Gln Ala
 210 215 220

Lys Xaa Gly Pro Xaa Xaa Xaa Thr Asp Leu Val Gly Gly Leu Met Gly
 225 230 235 240

Gly

<210> 5851

<211> 260

<212> PRT

<213> Homo sapiens

<400> 5851

Asn Ser Arg Thr Asp Val Arg Met Glu Thr Asp Leu Glu Val Ile Ile
 1 5 10 15

Lys Asp Asn Ser Leu Val Leu Thr Pro Ser His Ile Lys Ala Tyr Met
 20 25 30

Leu Met Thr Leu Gln Gly Leu Glu Tyr Leu His Gln His Trp Ile Leu
 35 40 45

His Arg Asp Leu Lys Pro Asn Asn Leu Leu Leu Asp Glu Asn Gly Val
 50 55 60

Leu Lys Leu Ala Asp Phe Gly Leu Ala Lys Ser Phe Gly Ser Pro Asn
 65 70 75 80

Arg Ala Tyr Thr His Gln Val Val Thr Arg Trp Tyr Arg Ala Pro Glu
 85 90 95

Leu Leu Phe Gly Ala Arg Met Tyr Gly Val Gly Val Asp Met Trp Ala
 100 105 110

Val Gly Cys Ile Leu Ala Glu Leu Leu Leu Arg Val Pro Phe Leu Pro
 115 120 125

Gly Asp Ser Asp Leu Asp Gln Leu Thr Arg Ile Phe Glu Thr Leu Gly

5137

130	135	140
Thr Pro Thr Glu Glu Gln Trp Pro Asp Met Cys Ser Leu Pro Asp Tyr		
145	150	155 160
Val Thr Phe Lys Ser Phe Pro Gly Ile Pro Leu His His Ile Phe Ser		
	165	170 175
Ala Ala Gly Asp Asp Leu Leu Asp Leu Ile Gln Gly Leu Phe Leu Phe		
	180	185 190
Asn Pro Cys Ala Arg Ile Thr Ala Thr Gln Ala Leu Lys Met Lys Tyr		
	195	200 205
Phe Ser Asn Arg Pro Gly Pro Thr Pro Gly Cys Gln Leu Pro Arg Pro		
	210	215 220
Asn Cys Pro Val Glu Thr Leu Lys Glu Gln Ser Asn Pro Ala Leu Ala		
	225	230 235 240
Ile Lys Arg Lys Arg Thr Glu Ala Leu Glu Gln Gly Gly Leu Pro Lys		
	245	250 255
Lys Leu Ile Phe		
	260	

<210> 5852

<211> 94

<212> PRT

<213> Homo sapiens

<400> 5852

Ser Ser Tyr Arg Ser Lys Ala Tyr Thr His Thr Lys Ile Thr Val Pro
1 5 10 15
Arg Glu Arg Val Cys Val Ser Val Arg Val Ser Val Cys Ala Arg Ala
20 25 30
Arg Ser Trp Pro Asn Val Arg Thr Leu His Lys Gly Gly Arg Ser Ser
35 40 45
Tyr Arg Leu Phe Asn Val Arg Glu Thr Ile Phe Leu Leu Phe Gln Leu
50 55 60
Tyr Gln Ile Leu Val Pro Gln His Arg Asn Asp Ser Glu Ser Gln Thr
65 70 75 80
Lys Cys Ile Ile Cys Ser Ile Leu Ile Leu Leu His Ser
85 90

5138

<210> 5853

<211> 89

<212> PRT

<213> Homo sapiens

<400> 5853

Cys Cys Leu Cys Gly Leu Trp Val Trp Thr Asn Pro Val Val Ala Cys
 1 5 10 15

Pro Pro Glu Pro Pro Pro Ser Gln Gln Arg His Gln Gly Ala Leu Gly
 20 25 30

Ser Pro Lys Thr Tyr His Ser Arg Val Pro Gln Ala Pro Gly Cys Cys
 35 40 45

Phe Leu Leu Pro Val Pro Gln Pro His Ala Pro Phe Tyr Ile Leu Cys
 50 55 60

Val Ser Lys Gly Trp Lys Asn Lys Thr Gln Leu Lys Ile Lys Lys Lys
 65 70 75 80

Lys Lys Lys Lys Lys Lys Lys Lys Lys
 85

<210> 5854

<211> 544

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (266)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (320)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (321)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5139

<222> (527)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (528)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (529)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5854

Leu Ser Trp Pro Val Val Ala Asn Gln Val Leu Lys Leu Gly Asn Leu
 1 5 10 15

Glu Phe Lys Pro Glu Ser Arg Val Asn Gly Leu Asp Glu Ser Lys Ile
 20 25 30

Lys Asp Lys Asn Glu Leu Lys Glu Ile Cys Glu Leu Thr Gly Ile Asp
 35 40 45

Gln Ser Val Leu Glu Arg Ala Phe Ser Phe Arg Thr Val Glu Ala Lys
 50 55 60

Gln Glu Lys Val Ser Thr Thr Leu Asn Val Ala Gln Ala Tyr Tyr Ala
 65 70 75 80

Arg Asp Ala Leu Ala Lys Asn Leu Tyr Ser Arg Leu Phe Ser Trp Leu
 85 90 95

Val Asn Arg Ile Asn Glu Ser Ile Lys Ala Gln Thr Lys Val Arg Lys
 100 105 110

Lys Val Met Gly Val Leu Asp Ile Tyr Gly Phe Glu Ile Phe Glu Asp
 115 120 125

Asn Ser Phe Glu Gln Phe Ile Ile Asn Tyr Cys Asn Glu Lys Leu Gln
 130 135 140

Gln Ile Phe Ile Glu Leu Thr Leu Lys Glu Glu Gln Glu Glu Tyr Ile
 145 150 155 160

Arg Glu Asp Ile Glu Trp Thr His Ile Asp Tyr Phe Asn Asn Ala Ile
 165 170 175

Ile Cys Asp Leu Ile Glu Asn Asn Thr Asn Gly Ile Leu Ala Met Leu
 180 185 190

Asp Glu Glu Cys Leu Arg Pro Gly Thr Val Thr Asp Glu Thr Phe Leu

5140

195					200					205						
Glu	Lys	Leu	Asn	Gln	Val	Cys	Ala	Thr	His	Gln	His	Phe	Glu	Ser	Arg	
210					215					220						
Met	Ser	Lys	Cys	Ser	Arg	Phe	Leu	Asn	Asp	Thr	Ser	Leu	Pro	His	Ser	
225					230					235					240	
Cys	Phe	Arg	Ile	Gln	His	Tyr	Ala	Gly	Lys	Val	Leu	Tyr	Gln	Val	Glu	
245					250					255						
Gly	Phe	Val	Asp	Lys	Asn	Asn	Asp	Leu	Xaa	Tyr	Arg	Asp	Leu	Ser	Gln	
260					265					270						
Ala	Met	Trp	Lys	Ala	Ser	His	Ala	Leu	Ile	Lys	Ser	Leu	Phe	Pro	Glu	
275					280					285						
Gly	Asn	Pro	Ala	Lys	Ile	Asn	Leu	Lys	Arg	Pro	Pro	Thr	Ala	Gly	Ser	
290					295					300						
Gln	Phe	Lys	Ala	Ser	Val	Ala	Thr	Leu	Met	Lys	Asn	Leu	Gln	Thr	Xaa	
305					310					315					320	
Xaa	Pro	Asn	Tyr	Ile	Arg	Cys	Ile	Lys	Pro	Asn	Asp	Lys	Lys	Ala	Ala	
325					330					335						
His	Ile	Phe	Asn	Glu	Ala	Leu	Val	Cys	His	Gln	Ile	Arg	Tyr	Leu	Gly	
340					345					350						
Leu	Leu	Glu	Asn	Val	Arg	Val	Arg	Arg	Ala	Gly	Tyr	Ala	Phe	Arg	Gln	
355					360					365						
Ala	Tyr	Glu	Pro	Cys	Leu	Glu	Arg	Tyr	Lys	Met	Leu	Cys	Lys	Gln	Thr	
370					375					380						
Trp	Pro	His	Trp	Lys	Gly	Pro	Ala	Arg	Ser	Gly	Val	Glu	Val	Leu	Phe	
385					390					395					400	
Asn	Glu	Leu	Glu	Ile	Pro	Val	Glu	Glu	Tyr	Ser	Phe	Gly	Arg	Ser	Lys	
405					410					415						
Ile	Phe	Ile	Arg	Asn	Pro	Arg	Thr	Leu	Phe	Lys	Leu	Glu	Asp	Leu	Arg	
420					425					430						
Lys	Gln	Arg	Leu	Glu	Asp	Leu	Ala	Thr	Leu	Ile	Gln	Lys	Ile	Tyr	Arg	
435					440					445						
Gly	Trp	Lys	Cys	Arg	Thr	His	Phe	Leu	Leu	Met	Lys	Lys	Ser	Gln	Ile	
450					455					460						
Val	Ile	Ala	Ala	Trp	Tyr	Arg	Arg	Tyr	Ala	Gln	Gln	Lys	Arg	Tyr	Gln	

5141

465 470 475 480
 Gln Thr Lys Ser Ser Ala Leu Val Ile Gln Ser Tyr Ile Arg Gly Trp
 485 490 495
 Lys Ala Arg Lys Ile Leu Arg Glu Leu Lys His Gln Lys Arg Cys Lys
 500 505 510
 Glu Ala Val Thr Thr Ile Ala Ala Tyr Trp His Gly Thr Gln Xaa Xaa
 515 520 525
 Xaa Lys Asn Gln Glu Ile Leu Gln Ser Gln Cys Trp Lys Arg Lys Ser
 530 535 540

<210> 5855

<211> 87

<212> PRT

<213> Homo sapiens

<400> 5855

Leu Cys Leu Leu Lys Arg Pro Ser Pro Ile Leu Phe Asn Pro Gly Ser
 1 5 10 15
 Pro Ser Gly Gly Pro Thr Leu Gly Thr Thr Ser Pro Thr Asp Gly Pro
 20 25 30
 Leu Ala Ser Ala Ile Leu Leu Ala Ala Ile Ser Trp Ala Lys Met Leu
 35 40 45
 Leu Leu Pro Asp Val Ala Asp Phe Pro Cys Gly Ala Lys Arg Lys Pro
 50 55 60
 Arg Leu Leu Met Leu Ile Ile Pro Leu Ser Ser Gln Pro Leu Tyr Ile
 65 70 75 80
 Lys Ala Ser Gly Thr Lys Arg
 85

<210> 5856

<211> 600

<212> PRT

<213> Homo sapiens

<220>

5142

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (167)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (270)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5856

Arg	Thr	Arg	Gly	Lys	Gln	Ala	Ala	Asn	Asn	Ser	Leu	Leu	Leu	His	Leu
1				5				10						15	

Leu	Lys	Ser	Gln	Thr	Ile	Pro	Lys	Pro	Met	Asn	Gly	His	Ser	His	Ser
			20					25					30		

Glu	Arg	Gly	Ser	Ile	Phe	Glu	Glu	Ser	Ser	Thr	Pro	Xaa	Thr	Ile	Xaa
		35					40					45			

Glu	Tyr	Ser	Xaa	Asn	Asn	Pro	Ser	Phe	Thr	Asp	Asp	Ser	Ser	Gly	Asp
	50					55					60				

5143

Glu	Ser	Ser	Tyr	Ser	Asn	Cys	Val	Pro	Ile	Asp	Leu	Ser	Cys	Lys	His	65	70	75	80
Xaa	Thr	Glu	Lys	Ser	Glu	Ser	Asp	Gln	Pro	Val	Ser	Leu	Asp	Asn	Phe	85	90	95	
Thr	Gln	Ser	Leu	Leu	Asn	Thr	Trp	Asp	Pro	Lys	Val	Pro	Asp	Val	Asp	100	105	110	
Ile	Lys	Glu	Asp	Gln	Asp	Thr	Xaa	Lys	Asn	Ser	Lys	Leu	Asn	Ser	His	115	120	125	
Gln	Lys	Val	Thr	Leu	Leu	Gln	Leu	Xaa	Leu	Gly	His	Lys	Asn	Glu	Glu	130	135	140	
Asn	Val	Glu	Lys	Asn	Thr	Ser	Pro	Gln	Gly	Val	His	Asn	Asp	Val	Ser	145	150	155	160
Lys	Phe	Asn	Thr	Gln	Asn	Xaa	Ala	Arg	Thr	Ser	Val	Ile	Glu	Ser	Pro	165	170	175	
Ser	Thr	Asn	Arg	Thr	Thr	Pro	Val	Ser	Thr	Pro	Pro	Leu	Leu	Thr	Ser	180	185	190	
Ser	Lys	Ala	Gly	Ser	Pro	Ile	Asn	Leu	Ser	Gln	His	Ser	Leu	Val	Ile	195	200	205	
Lys	Trp	Asn	Ser	Pro	Pro	Tyr	Val	Cys	Ser	Thr	Gln	Ser	Glu	Lys	Leu	210	215	220	
Thr	Asn	Thr	Ala	Ser	Asn	His	Ser	Met	Asp	Leu	Thr	Lys	Ser	Lys	Asp	225	230	235	240
Pro	Pro	Gly	Glu	Lys	Pro	Ala	Gln	Asn	Glu	Gly	Ala	Gln	Asn	Ser	Ala	245	250	255	
Thr	Phe	Ser	Ala	Ser	Lys	Leu	Leu	Gln	Asn	Leu	Ala	Gln	Xaa	Gly	Met	260	265	270	
Gln	Ser	Ser	Met	Ser	Val	Glu	Glu	Gln	Arg	Pro	Ser	Lys	Gln	Leu	Leu	275	280	285	
Thr	Gly	Asn	Thr	Asp	Lys	Pro	Ile	Gly	Met	Ile	Asp	Arg	Leu	Asn	Ser	290	295	300	
Pro	Leu	Leu	Ser	Asn	Lys	Thr	Asn	Ala	Val	Glu	Glu	Asn	Lys	Ala	Phe	305	310	315	320
Ser	Ser	Gln	Pro	Thr	Gly	Pro	Glu	Pro	Gly	Leu	Ser	Gly	Ser	Glu	Ile	325	330	335	

5144

Glu Asn Leu Leu Glu Arg Arg Thr Val Leu Gln Leu Leu Leu Gly Asn
 340 345 350

Pro Asn Lys Gly Lys Ser Glu Lys Lys Glu Lys Thr Pro Leu Arg Asp
 355 360 365

Glu Ser Thr Gln Glu His Ser Glu Arg Ala Leu Ser Glu Gln Ile Leu
 370 375 380

Met Val Lys Ile Lys Ser Glu Pro Cys Asp Asp Leu Gln Ile Pro Asn
 385 390 395 400

Thr Asn Val His Leu Ser His Asp Ala Lys Ser Ala Pro Phe Leu Gly
 405 410 415

Met Ala Pro Ala Val Gln Arg Ser Ala Pro Ala Leu Pro Val Ser Glu
 420 425 430

Asp Phe Lys Ser Glu Pro Val Ser Pro Gln Asp Phe Ser Phe Ser Lys
 435 440 445

Asn Gly Leu Leu Ser Arg Leu Leu Arg Gln Asn Gln Asp Ser Tyr Leu
 450 455 460

Ala Asp Asp Ser Asp Arg Ser His Arg Asn Asn Glu Met Ala Leu Leu
 465 470 475 480

Glu Ser Lys Asn Leu Cys Met Val Pro Lys Lys Arg Lys Leu Tyr Thr
 485 490 495

Glu Pro Leu Glu Asn Pro Phe Lys Lys Met Lys Asn Asn Ile Val Asp
 500 505 510

Ala Ala Asn Asn His Ser Ala Pro Glu Val Leu Tyr Gly Ser Leu Leu
 515 520 525

Asn Gln Glu Glu Leu Lys Phe Ser Arg Asn Asp Leu Glu Phe Lys Tyr
 530 535 540

Pro Ala Gly His Gly Ser Ala Ser Glu Ser Glu His Arg Ser Trp Ala
 545 550 555 560

Arg Glu Ser Lys Ser Phe Asn Val Leu Lys Gln Leu Leu Leu Ser Glu
 565 570 575

Asn Cys Val Arg Asp Leu Ser Pro His Arg Ser Asn Ser Val Ala Asp
 580 585 590

Ser Lys Lys Glu Arg Thr Gln Lys
 595 600

5145

<210> 5857

<211> 308

<212> PRT

<213> Homo sapiens

<400> 5857

Gln Tyr Gly Arg Ile Pro Gly Ser Thr His Ala Ser Ala Glu Pro Leu
 1 5 10 15

Glu Asn Pro Phe Lys Lys Met Lys Asn Asn Ile Val Asp Ala Ala Asn
 20 25 30

Asn His Ser Ala Pro Glu Val Leu Tyr Gly Ser Leu Leu Asn Gln Glu
 35 40 45

Glu Leu Lys Phe Ser Arg Asn Asp Leu Glu Phe Lys Tyr Pro Ala Gly
 50 55 60

His Gly Ser Ala Ser Glu Ser Glu His Arg Ser Trp Ala Arg Glu Ser
 65 70 75 80

Lys Ser Phe Asn Val Leu Lys Gln Leu Leu Leu Ser Glu Asn Cys Val
 85 90 95

Arg Asp Leu Ser Pro His Arg Ser Asn Ser Val Ala Asp Ser Lys Lys
 100 105 110

Lys Gly His Lys Asn Asn Val Thr Asn Ser Lys Pro Glu Phe Ser Ile
 115 120 125

Ser Ser Leu Asn Gly Leu Met Tyr Ser Ser Thr Gln Pro Ser Ser Cys
 130 135 140

Met Asp Asn Arg Thr Phe Ser Tyr Pro Gly Val Val Lys Thr Pro Val
 145 150 155 160

Ser Pro Thr Phe Pro Glu His Leu Gly Cys Ala Gly Ser Arg Pro Glu
 165 170 175

Ser Gly Leu Leu Asn Gly Cys Ser Met Pro Ser Glu Lys Gly Pro Ile
 180 185 190

Lys Trp Val Ile Thr Asp Ala Glu Lys Asn Glu Tyr Glu Lys Asp Ser
 195 200 205

Pro Arg Leu Thr Lys Thr Asn Pro Ile Leu Tyr Tyr Met Leu Gln Lys
 210 215 220

5146

Gly Gly Asn Ser Val Thr Ser Arg Glu Thr Gln Asp Lys Asp Ile Trp
 225 230 235 240

Arg Glu Ala Ser Ser Ala Glu Ser Val Ser Gln Val Thr Ala Lys Glu
 245 250 255

Glu Leu Leu Pro Thr Ala Glu Thr Lys Ala Ser Phe Phe Asn Leu Arg
 260 265 270

Ser Pro Tyr Asn Ser His Met Gly Asn Asn Ala Ser Arg Pro His Ser
 275 280 285

Ala Asn Gly Glu Val Tyr Gly Leu Leu Gly Ser Val Leu Thr Ile Lys
 290 295 300

Lys Glu Ser Glu
 305

<210> 5858

<211> 553

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (375)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (438)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (549)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5858

5147

Thr Leu Glu Ala Glu Lys Glu Arg Arg Lys Ser Gly Leu Ser Ser Arg
 1 5 10 15
 Val Gln Phe Arg Asn Gln Gly Ser Glu Pro Lys Tyr Thr Gln Glu Leu
 20 25 30
 Thr Leu Lys Arg Gln Lys Gln Lys Val Cys Met Glu Glu Thr Leu Trp
 35 40 45
 Leu Gln Asp Asn Ile Arg Asp Lys Leu Arg Pro Ile Pro Ile Thr Ala
 50 55 60
 Ser Val Glu Ile Gln Glu Pro Ser Ser Arg Arg Arg Val Asn Ser Leu
 65 70 75 80
 Pro Glu Val Leu Pro Ile Leu Asn Ser Asp Glu Pro Lys Thr Ala His
 85 90 95
 Ile Asp Val His Phe Leu Lys Glu Gly Cys Gly Asp Asp Asn Val Cys
 100 105 110
 Asn Ser Asn Leu Lys Leu Glu Tyr Lys Phe Cys Thr Arg Glu Gly Asn
 115 120 125
 Xaa Asp Lys Phe Xaa Tyr Leu Pro Ile Gln Lys Gly Val Pro Glu Leu
 130 135 140
 Val Leu Lys Asp Gln Lys Asp Ile Ala Leu Glu Ile Thr Val Thr Asn
 145 150 155 160
 Ser Pro Ser Asn Pro Arg Asn Pro Thr Lys Asp Gly Asp Asp Ala His
 165 170 175
 Glu Ala Lys Leu Ile Ala Thr Phe Pro Asp Thr Leu Thr Tyr Ser Ala
 180 185 190
 Tyr Arg Glu Leu Arg Ala Phe Pro Glu Lys Gln Leu Ser Cys Val Ala
 195 200 205
 Asn Gln Asn Gly Ser Gln Ala Asp Cys Glu Leu Gly Asn Pro Phe Lys
 210 215 220
 Arg Asn Ser Asn Val Thr Phe Tyr Leu Val Leu Ser Thr Thr Glu Val
 225 230 235 240
 Thr Phe Asp Thr Pro Asp Leu Asp Ile Asn Leu Lys Leu Glu Thr Thr
 245 250 255
 Ser Asn Gln Asp Asn Leu Ala Pro Ile Thr Ala Lys Ala Lys Val Val
 260 265 270

5148

Ile	Glu	Leu	Leu	Leu	Ser	Val	Ser	Gly	Val	Ala	Lys	Pro	Ser	Gln	Val	275	280	285
Tyr	Phe	Gly	Gly	Thr	Val	Val	Gly	Glu	Gln	Ala	Met	Lys	Ser	Glu	Asp	290	295	300
Glu	Val	Gly	Ser	Leu	Ile	Glu	Tyr	Glu	Phe	Arg	Val	Ile	Asn	Leu	Gly	305	310	315 320
Lys	Pro	Leu	Thr	Asn	Leu	Gly	Thr	Ala	Thr	Leu	Asn	Ile	Gln	Trp	Pro	325	330	335
Lys	Glu	Ile	Ser	Asn	Gly	Lys	Trp	Leu	Leu	Tyr	Leu	Val	Lys	Val	Glu	340	345	350
Ser	Lys	Gly	Leu	Glu	Lys	Val	Thr	Cys	Glu	Pro	Gln	Lys	Glu	Ile	Asn	355	360	365
Ser	Leu	Asn	Leu	Thr	Glu	Xaa	His	Asn	Ser	Arg	Lys	Lys	Arg	Glu	Ile	370	375	380
Thr	Glu	Lys	Gln	Ile	Asp	Asp	Asn	Arg	Lys	Phe	Ser	Leu	Phe	Ala	Glu	385	390	395 400
Arg	Lys	Tyr	Gln	Thr	Leu	Asn	Cys	Ser	Val	Asn	Val	Asn	Cys	Val	Asn	405	410	415
Ile	Arg	Cys	Pro	Leu	Arg	Gly	Leu	Asp	Ser	Lys	Ala	Ser	Leu	Ile	Leu	420	425	430
Arg	Ser	Arg	Leu	Trp	Xaa	Ser	Thr	Phe	Leu	Glu	Glu	Tyr	Ser	Lys	Leu	435	440	445
Asn	Tyr	Leu	Asp	Ile	Leu	Met	Arg	Ala	Phe	Ile	Asp	Val	Thr	Ala	Ala	450	455	460
Ala	Glu	Asn	Ile	Arg	Leu	Pro	Asn	Ala	Gly	Thr	Gln	Val	Arg	Val	Thr	465	470	475 480
Val	Phe	Pro	Ser	Lys	Thr	Val	Ala	Gln	Tyr	Ser	Gly	Val	Pro	Trp	Trp	485	490	495
Ile	Ile	Leu	Val	Ala	Ile	Leu	Ala	Gly	Ile	Leu	Met	Leu	Ala	Leu	Leu	500	505	510
Val	Phe	Ile	Leu	Trp	Lys	Cys	Gly	Phe	Phe	Lys	Arg	Asn	Lys	Lys	Asp	515	520	525
His	Tyr	Asp	Ala	Thr	Tyr	His	Lys	Ala	Glu	Ile	His	Ala	Gln	Pro	Ser	530	535	540

5149

Asp Lys Glu Arg Xaa Thr Ser Asp Ala
 545 550

<210> 5859

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5859

Arg Thr Pro Glu Ser Trp Arg Leu Thr Pro Pro Ala Lys Val Gly Gly
 1 5 10 15

Leu Asp Phe Ser Pro Val Gln Thr Ser Gln Gly Ala Ser Asp Pro Leu
 20 25 30

Pro Asp Pro Leu Gly Leu Met Asp Leu Ser Thr Thr Pro Leu Gln Ser
 35 40 45

Ala Pro Pro Leu Glu Ser Pro Gln Arg Leu Leu Ser Ser Glu Pro Leu
 50 55 60

Asp Leu Ile Ser Val Pro Phe Gly Asn Ser Ser Pro Ser Asp Ile Asp
 65 70 75 80

Val Pro Lys Pro Gly Ser Pro Glu Pro Gln Val Ser Gly Leu Ala Ala
 85 90 95

Asn Arg Ser Leu Thr Glu Gly Leu Val Leu Gly His Asn Xaa
 100 105 110

<210> 5860

<211> 198

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5860

Pro Xaa Arg Pro Arg Gly Ala Ala Ala Ala Ala Ala Ala Gly Ala

5151

Leu Gly Gly Ala Gln Arg Ala Arg Cys Pro Ser Thr Ser Val Leu Gly
 35 40 45

Thr Trp Arg Val Ala Ala Ser Pro Pro Ala Pro Val Pro Ser Cys
 50 55 60

<210> 5862

<211> 229

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (221)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5862

Ala Thr Lys Ile Asn Leu Ser Leu Ser Ala Leu Gly Asn Val Ile Ser
 1 5 10 15

Ala Leu Val Asp Gly Lys Ser Thr His Ile Pro Tyr Arg Asp Ser Lys
 20 25 30

Leu Thr Arg Leu Leu Gln Asp Ser Leu Gly Gly Asn Ala Lys Thr Val
 35 40 45

Met Val Ala Asn Val Gly Pro Ala Ser Tyr Asn Val Glu Glu Thr Leu
 50 55 60

Thr Thr Leu Arg Tyr Ala Asn Arg Ala Lys Asn Ile Lys Asn Lys Pro
 65 70 75 80

Arg Val Asn Glu Asp Pro Lys Asp Ala Leu Leu Arg Glu Phe Gln Glu
 85 90 95

Glu Ile Ala Arg Leu Lys Ala Gln Leu Glu Lys Arg Ser Ile Gly Arg
 100 105 110

Arg Lys Arg Arg Glu Lys Arg Arg Glu Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Glu Glu Glu Glu Glu Glu Gly Glu Glu Gly Glu Glu Glu Gly Asp
 130 135 140

Asp Lys Asp Asp Tyr Trp Arg Glu Gln Gln Glu Lys Leu Glu Ile Glu
 145 150 155 160

Lys Arg Ala Ile Val Glu Asp His Ser Leu Val Ala Glu Glu Lys Met

5152

165 170 175
 Arg Leu Leu Lys Glu Lys Glu Lys Lys Met Glu Asp Leu Arg Arg Glu
 180 185 190
 Lys Asp Ala Ala Glu Met Leu Gly Ala Lys Ile Lys Val Pro Tyr Pro
 195 200 205
 Tyr Pro Ser Leu Gly Pro Cys Pro Val Thr Ala Phe Xaa Phe Ile Lys
 210 215 220
 Gln Gln Gln Lys Thr
 225

 <210> 5863
 <211> 298
 <212> PRT
 <213> Homo sapiens

 <400> 5863
 Cys Glu Arg Gly Ser Leu His Phe Thr Gly Val Thr Gly Gly Asn Leu
 1 5 10 15
 Arg Val Asn Gly Lys Glu Arg Ala Ser Gly Ile Tyr Phe Gly Ala Asn
 20 25 30
 Glu Ala Leu Leu Ala Val Lys Asp Tyr Ile Arg Thr Gln Ile Ile Ser
 35 40 45
 Lys Lys Ile Asn Thr Lys Phe Phe Gln Glu Glu Asn Thr Glu Lys Leu
 50 55 60
 Lys Leu Lys Tyr Tyr Asn Leu Met Ile Gln Leu Asp Gln His Glu Gly
 65 70 75 80
 Ser Tyr Leu Ser Ile Cys Lys His Tyr Arg Ala Ile Tyr Asp Thr Pro
 85 90 95
 Cys Ile Gln Ala Glu Ser Glu Lys Trp Gln Gln Ala Leu Lys Ser Val
 100 105 110
 Val Leu Tyr Val Ile Leu Ala Pro Phe Asp Asn Glu Gln Ser Asp Leu
 115 120 125
 Val His Arg Ile Ser Gly Asp Lys Lys Leu Glu Glu Ile Pro Lys Tyr
 130 135 140
 Lys Asp Leu Leu Lys Leu Phe Thr Thr Met Glu Leu Met Arg Trp Ser
 145 150 155 160

5153

Thr Leu Val Glu Asp Tyr Gly Met Glu Leu Arg Lys Gly Ser Leu Glu
 165 170 175
 Ser Pro Ala Thr Asp Val Phe Gly Ser Thr Glu Glu Gly Glu Lys Arg
 180 185 190
 Trp Lys Asp Leu Lys Asn Arg Val Val Glu His Asn Ile Arg Ile Met
 195 200 205
 Ala Lys Tyr Tyr Thr Arg Ile Thr Met Lys Arg Met Ala Gln Leu Leu
 210 215 220
 Asp Leu Ser Val Asp Glu Ser Glu Ala Phe Leu Ser Asn Leu Val Val
 225 230 235 240
 Asn Lys Thr Ile Phe Ala Lys Val Asp Arg Leu Ala Gly Ile Ile Asn
 245 250 255
 Phe Gln Arg Pro Lys Asp Pro Asn Asn Leu Leu Asn Asp Trp Ser Gln
 260 265 270
 Lys Leu Asn Ser Leu Met Ser Leu Val Asn Lys Thr Thr His Leu Ile
 275 280 285
 Ala Lys Glu Glu Met Ile His Asn Leu Gln
 290 295

<210> 5864

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5864

Asn Ser Ala Glu Cys Asn Pro Arg Phe Xaa Asn Ala Thr Ile Val Cys
 1 5 10 15
 Asn Ser Leu Asp Gly Ser Asn Trp Gly Gln Glu Gln Arg Glu Asp His
 20 25 30
 Leu Cys Phe Ser Pro Gly Ser Glu Val Lys Val Arg Ser Lys Gly Glu
 35 40 45
 Arg Ala Leu Gly Val Met Ser Arg Gly Gly Pro Arg Trp Lys Arg Ala

5154

50 55 60
 Trp Pro Gly Thr Gln Trp Leu Ala Leu Phe Glu Pro Ser Gly Thr Ala
 65 70 75 80
 Leu Ala His Phe Gln Gly Leu Leu Pro Pro Leu Thr Pro Ser Leu Pro
 85 90 95
 Thr Val His Ser Asp Leu
 100

 <210> 5865
 <211> 345
 <212> PRT
 <213> Homo sapiens

 <400> 5865
 Leu Pro Val Arg Ala Glu Pro Thr Arg Ala Ala Ala Met Ser Gly Asp
 1 5 10 15
 Glu Met Ile Phe Asp Pro Thr Met Ser Lys Lys Lys Lys Lys Lys Lys
 20 25 30
 Lys Pro Phe Met Leu Asp Glu Glu Gly Asp Thr Gln Thr Glu Glu Thr
 35 40 45
 Gln Pro Ser Glu Thr Lys Glu Val Glu Pro Glu Pro Thr Glu Asp Lys
 50 55 60
 Asp Leu Glu Ala Asp Glu Glu Asp Thr Arg Lys Lys Asp Ala Ser Asp
 65 70 75 80
 Asp Leu Asp Asp Leu Asn Phe Phe Asn Gln Lys Lys Lys Lys Lys Lys
 85 90 95
 Thr Lys Lys Ile Phe Asp Ile Asp Glu Ala Glu Glu Gly Val Lys Asp
 100 105 110
 Leu Lys Ile Glu Ser Asp Val Gln Glu Pro Thr Glu Pro Glu Asp Asp
 115 120 125
 Leu Asp Ile Met Leu Gly Asn Lys Lys Lys Lys Lys Lys Asn Val Lys
 130 135 140
 Phe Pro Asp Glu Asp Glu Ile Leu Glu Lys Asp Glu Ala Leu Glu Asp
 145 150 155 160
 Glu Asp Asn Lys Lys Asp Asp Gly Ile Ser Phe Ser Asn Gln Thr Gly
 165 170 175

5155

Pro Ala Trp Ala Gly Ser Glu Arg Asp Tyr Thr Tyr Glu Glu Leu Leu
 180 185 190

Asn Arg Val Phe Asn Ile Met Arg Glu Lys Asn Pro Asp Met Val Ala
 195 200 205

Gly Glu Lys Arg Lys Phe Val Met Lys Pro Pro Gln Val Val Arg Val
 210 215 220

Gly Thr Lys Lys Thr Ser Phe Val Asn Phe Thr Asp Ile Cys Lys Leu
 225 230 235 240

Leu His Arg Gln Pro Lys His Leu Leu Ala Phe Leu Leu Ala Glu Leu
 245 250 255

Gly Thr Ser Gly Ser Ile Asp Gly Asn Asn Gln Leu Val Ile Lys Gly
 260 265 270

Arg Phe Gln Gln Lys Gln Ile Glu Asn Val Leu Arg Arg Tyr Ile Lys
 275 280 285

Glu Tyr Val Thr Cys His Thr Cys Arg Ser Pro Asp Thr Ile Leu Gln
 290 295 300

Lys Asp Thr Arg Leu Tyr Phe Leu Gln Cys Glu Thr Cys His Ser Arg
 305 310 315 320

Cys Ser Val Ala Ser Ile Lys Thr Gly Phe Gln Ala Val Thr Gly Lys
 325 330 335

Arg Ala Gln Leu Arg Ala Lys Ala Asn
 340 345

<210> 5866

<211> 194

<212> PRT

<213> Homo sapiens

<400> 5866

Arg Thr Ser Met Gly Ile Leu Tyr Ser Glu Pro Ile Cys Gln Ala Ala
 1 5 10 15

Tyr Gln Asn Asp Phe Gly Gln Val Trp Arg Trp Val Lys Glu Asp Ser
 20 25 30

Ser Tyr Ala Asn Val Gln Asp Gly Phe Asn Gly Asp Thr Pro Leu Ile
 35 40 45

5156

Cys Ala Cys Arg Arg Gly His Val Arg Ile Val Ser Phe Leu Leu Arg
 50 55 60
 Arg Asn Ala Asn Val Asn Leu Lys Asn Gln Lys Glu Arg Thr Cys Leu
 65 70 75 80
 His Tyr Ala Val Lys Lys Lys Phe Thr Phe Ile Asp Tyr Leu Leu Ile
 85 90 95
 Ile Leu Leu Met Pro Val Leu Leu Ile Gly Tyr Phe Leu Met Val Ser
 100 105 110
 Lys Thr Lys Gln Asn Glu Ala Leu Val Arg Met Leu Leu Asp Ala Gly
 115 120 125
 Val Glu Val Asn Ala Thr Asp Cys Tyr Gly Cys Thr Ala Leu His Tyr
 130 135 140
 Ala Cys Glu Met Lys Asn Gln Ser Leu Ile Pro Leu Leu Leu Glu Ala
 145 150 155 160
 Arg Ala Asp Pro Thr Ile Lys Asn Lys His Gly Glu Ser Ser Leu Asp
 165 170 175
 Ile Ala Arg Arg Leu Lys Phe Ser Gln Ile Glu Leu Met Leu Arg Lys
 180 185 190
 Ala Leu

<210> 5867

<211> 469

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

5157

<220>

<221> SITE

<222> (436)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5867

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Ser Ala Ser Phe Ser Arg Gly Xaa Gln Leu Ser Phe Thr Asp Leu Gly
  1              5              10              15

Leu Pro Pro Thr Asp His Leu Gln Ala Ser Phe Gly Phe Gln Thr Phe
              20              25              30

Gln Pro Ser Gly Ile Leu Leu Asp His Gln Thr Trp Thr Arg Xaa Leu
          35              40              45

Gln Val Thr Leu Glu Asp Gly Tyr Ile Glu Leu Ser Thr Ser Asp Ser
          50              55              60

Xaa Gly Pro Ile Phe Lys Ser Pro Gln Thr Tyr Met Asp Gly Leu Leu
          65              70              75              80

His Tyr Val Ser Val Ile Ser Asp Asn Ser Gly Leu Arg Leu Leu Ile
              85              90              95

Asp Asp Gln Leu Leu Arg Asn Ser Lys Arg Leu Lys His Ile Ser Ser
          100              105              110

Ser Arg Gln Ser Leu Arg Leu Gly Gly Ser Asn Phe Glu Gly Cys Ile
          115              120              125

Ser Asn Val Phe Val Gln Arg Leu Ser Leu Ser Pro Glu Val Leu Asp
          130              135              140

Leu Thr Ser Asn Ser Leu Lys Arg Asp Val Ser Leu Gly Gly Cys Ser
          145              150              155              160

Leu Asn Lys Pro Pro Phe Leu Met Leu Leu Lys Gly Ser Thr Arg Phe
          165              170              175

Asn Lys Thr Lys Thr Phe Arg Ile Asn Gln Leu Leu Gln Asp Thr Pro
          180              185              190

Val Ala Ser Pro Arg Ser Val Lys Val Trp Gln Asp Ala Cys Ser Pro
          195              200              205

Leu Pro Lys Thr Gln Ala Asn His Gly Ala Leu Gln Phe Gly Asp Ile
          210              215              220

Pro Thr Ser His Leu Leu Phe Lys Leu Pro Gln Glu Leu Leu Lys Pro
          225              230              235              240

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5158

Arg Ser Gln Phe Ala Val Asp Met Gln Thr Thr Ser Ser Arg Gly Leu
 245 250 255
 Val Phe His Thr Gly Thr Lys Asn Ser Phe Met Ala Leu Tyr Leu Ser
 260 265 270
 Lys Gly Arg Leu Val Phe Ala Leu Gly Thr Asp Gly Lys Lys Leu Arg
 275 280 285
 Ile Lys Ser Lys Glu Lys Cys Asn Asp Gly Lys Trp His Thr Val Val
 290 295 300
 Phe Gly His Asp Gly Glu Lys Gly Arg Leu Val Val Asp Gly Leu Arg
 305 310 315 320
 Ala Arg Glu Gly Ser Leu Pro Gly Asn Ser Thr Ile Ser Ile Arg Ala
 325 330 335
 Pro Val Tyr Leu Gly Ser Pro Pro Ser Gly Lys Pro Lys Ser Leu Pro
 340 345 350
 Thr Asn Ser Phe Val Gly Cys Leu Lys Asn Phe Gln Leu Asp Ser Lys
 355 360 365
 Pro Leu Tyr Thr Pro Ser Ser Ser Phe Gly Val Ser Ser Cys Leu Gly
 370 375 380
 Gly Pro Leu Glu Lys Gly Ile Tyr Phe Ser Glu Glu Gly Gly His Val
 385 390 395 400
 Val Leu Ala His Ser Val Leu Leu Gly Pro Glu Phe Lys Leu Val Phe
 405 410 415
 Ser Ile Arg Pro Arg Ser Leu Thr Gly Ile Leu Ile His Ile Gly Ser
 420 425 430
 Gln Pro Gly Xaa Ala Leu Met Cys Leu Pro Gly Gly Arg Lys Gly His
 435 440 445
 Gly Leu Tyr Gly Gln Trp Gly Arg Trp Asp Leu Asn Val Gly His Thr
 450 455 460
 Lys Ala Val Ser Val
 465

<210> 5868

<211> 83

<212> PRT

5159

<213> Homo sapiens

<400> 5868

Phe Leu Ile Leu Ser Gly Glu Leu Leu Ala Arg Ile Ile Tyr Leu Gln
 1 5 10 15

Ile Ile Leu Asp Gln Arg Leu Gly Ala Gly Leu Thr Pro Ser Ser Arg
 20 25 30

Leu Gly Ala Ser Ile His Phe Leu Val Gly Leu Asn Ile Pro Pro Ala
 35 40 45

Phe Arg Arg Ile His Arg Thr Tyr Cys Ser Phe Gln Met Thr Phe Trp
 50 55 60

Lys Ile Val Pro Phe Ala Asn Arg Asn Met Pro Glu Gly Ile Phe Ser
 65 70 75 80

Ser Phe Ile

<210> 5869

<211> 117

<212> PRT

<213> Homo sapiens

<400> 5869

Ser Cys Thr Arg His Gln Ser Leu Pro Gly Ser Cys Asp Glu Leu His
 1 5 10 15

Leu Ser Pro Phe Leu Pro Gln Pro Gln Thr Leu Ser Phe Lys Glu Gly
 20 25 30

Leu Pro Gly Ser Leu His Pro Thr Ala Pro Met Arg Leu Gly Pro Arg
 35 40 45

Val His Ser Pro Gly Gly Ser Gln Leu Ser Gly Arg Ser Phe Pro Pro
 50 55 60

Asn Ile Phe Gln Leu Leu Gly Gly Asp His Arg Ala Leu Leu Leu Lys
 65 70 75 80

Ile Trp Leu Leu Gln Arg Pro Glu Ser Gln Glu Gly Leu Leu Pro Gly
 85 90 95

Arg Leu Val Val Met Glu Arg Arg Val Lys Met Thr Ser Cys Pro Ser
 100 105 110

Cys Pro Arg Phe Cys

5160

115

<210> 5870

<211> 170

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (155)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5870

Arg	Thr	Tyr	Phe	Pro	Val	Lys	Met	Pro	Thr	Thr	Lys	Lys	Thr	Leu	Met
1				5					10					15	

Phe	Leu	Ser	Ser	Phe	Phe	Thr	Ser	Leu	Gly	Ser	Phe	Ile	Val	Ile	Cys
			20					25					30		

Ser	Ile	Leu	Gly	Thr	Gln	Ala	Trp	Ile	Thr	Ser	Thr	Ile	Ala	Xaa	Arg
		35					40					45			

Asp	Ser	Ala	Ser	Asn	Gly	Ser	Ile	Phe	Ile	Thr	Tyr	Gly	Leu	Phe	Arg
	50					55					60				

Gly	Glu	Ser	Ser	Glu	Glu	Leu	Ser	His	Gly	Leu	Ala	Glu	Pro	Lys	Lys
65					70					75					80

Lys	Phe	Ala	Val	Leu	Glu	Ile	Leu	Asn	Asn	Ser	Ser	Gln	Lys	Asn	Ser
				85					90					95	

Ala	Phe	Gly	Asp	Tyr	Pro	Val	Pro	Gly	Pro	Glu	Phe	Asp	His	Val	Ala
			100					105					110		

Ala	Glu	Leu	Trp	Val	Tyr	Leu	Leu	Gln	Gln	His	Gln	Gln	Pro	Leu	Pro
		115					120					125			

Asp	Ile	Pro	Gly	Ala	Arg	Arg	Gly	Cys	Thr	Pro	Gly	Thr	Gly	Ser	Gly
	130					135					140				

5161

Ile Leu Arg Phe Xaa Thr Met Ile Leu Leu Xaa Arg Thr Arg Ser Pro
 145 150 155 160

Thr Asn Phe Pro Lys Val Val Gln Met Leu
 165 170

<210> 5871

<211> 173

<212> PRT

<213> Homo sapiens

<400> 5871

Arg Thr Tyr Phe Pro Val Lys Met Pro Thr Thr Lys Lys Thr Leu Met
 1 5 10 15

Phe Leu Ser Ser Phe Phe Thr Ser Leu Gly Ser Phe Ile Val Ile Cys
 20 25 30

Ser Ile Leu Gly Thr Gln Ala Trp Ile Thr Ser Thr Ile Ala Val Arg
 35 40 45

Asp Ser Ala Ser Asn Gly Ser Ile Phe Ile Thr Tyr Gly Leu Phe Arg
 50 55 60

Gly Glu Ser Ser Glu Glu Leu Ser His Gly Leu Ala Glu Pro Lys Lys
 65 70 75 80

Lys Phe Ala Ala Ser Phe Val Phe Val Thr Met Ile Leu Phe Val Ala
 85 90 95

Asn Thr Gln Ser Asn Gln Leu Ser Glu Glu Leu Phe Gln Met Leu Tyr
 100 105 110

Pro Ala Thr Thr Ser Lys Gly Thr Thr His Ser Tyr Gly Tyr Ser Phe
 115 120 125

Trp Leu Ile Leu Leu Val Ile Leu Leu Asn Ile Val Thr Val Thr Ile
 130 135 140

Ile Ile Phe Tyr Gln Lys Ala Arg Tyr Gln Arg Lys Gln Glu Gln Arg
 145 150 155 160

Lys Pro Met Glu Tyr Ala Pro Arg Asp Gly Ile Leu Phe
 165 170

<210> 5872

5162

<211> 132

<212> PRT

<213> Homo sapiens

<400> 5872

His Arg Asn Arg Pro Ser Gln Cys His Leu Leu Asn Leu Trp Arg Pro
 1 5 10 15

Pro Asp Leu Glu Glu Pro Thr Lys Val Asp Lys Leu Gln Glu Pro Leu
 20 25 30

Leu Glu Ala Leu Lys Ile Tyr Ile Arg Lys Arg Arg Pro Ser Lys Pro
 35 40 45

His Met Phe Pro Lys Ile Leu Met Lys Ile Thr Asp Leu Arg Ser Ile
 50 55 60

Ser Ala Lys Gly Ala Glu Arg Val Ile Thr Leu Lys Met Glu Ile Pro
 65 70 75 80

Gly Ser Met Pro Pro Leu Ile Gln Glu Met Leu Glu Asn Ser Glu Gly
 85 90 95

His Glu Pro Leu Thr Pro Ser Ser Ser Gly Asn Thr Ala Glu His Ser
 100 105 110

Pro Ser Ile Ser Pro Ser Ser Val Glu Asn Ser Gly Val Ser Gln Ser
 115 120 125

Pro Leu Val Gln
 130

<210> 5873

<211> 326

<212> PRT

<213> Homo sapiens

<400> 5873

Ala His Ala Ser Ala His Ala Ser Ala Trp Val Pro Ala Pro Gln Arg
 1 5 10 15

Ser Arg Asp Ser Pro Arg Arg Arg Ala Arg Arg Pro Glu Leu Pro Lys
 20 25 30

Pro Ser Arg Ala Ala His Thr Pro Gly Leu His Ser Leu Phe Gln His
 35 40 45

Pro Leu Val Leu Ala Ala Ala Arg Val Pro Glu Thr Glu Leu Pro Gln
 50 55 60

5163

Arg Pro Arg Arg Arg Arg Cys Glu Gly Pro Met Arg Ala Pro Leu Leu
 65 70 75 80
 Pro Pro Ala Pro Val Val Leu Ser Leu Leu Ile Leu Gly Ser Gly His
 85 90 95
 Tyr Ala Ala Gly Leu Asp Leu Asn Asp Thr Tyr Ser Gly Lys Arg Glu
 100 105 110
 Pro Phe Ser Gly Asp His Ser Ala Asp Gly Phe Glu Val Thr Ser Arg
 115 120 125
 Ser Glu Met Ser Ser Gly Ser Glu Ile Ser Pro Val Ser Glu Met Pro
 130 135 140
 Ser Ser Ser Glu Pro Ser Ser Gly Ala Asp Tyr Asp Tyr Ser Glu Glu
 145 150 155 160
 Tyr Asp Asn Glu Pro Gln Ile Pro Gly Tyr Ile Val Asp Asp Ser Val
 165 170 175
 Arg Val Glu Gln Val Val Lys Pro Pro Gln Asn Lys Thr Glu Ser Glu
 180 185 190
 Asn Thr Ser Asp Lys Pro Lys Arg Lys Lys Lys Gly Gly Lys Asn Gly
 195 200 205
 Lys Asn Arg Arg Asn Arg Lys Lys Lys Asn Pro Cys Asn Ala Glu Phe
 210 215 220
 Gln Asn Phe Cys Ile His Gly Glu Cys Lys Tyr Ile Glu His Leu Glu
 225 230 235 240
 Ala Val Thr Cys Lys Cys Gln Gln Glu Tyr Phe Gly Glu Arg Cys Gly
 245 250 255
 Glu Lys Ser Met Lys Thr His Ser Met Ile Asp Ser Ser Leu Ser Lys
 260 265 270
 Ile Ala Leu Ala Ala Ile Ala Ala Phe Met Ser Ala Val Ile Leu Thr
 275 280 285
 Ala Val Ala Val Ile Thr Val Gln Leu Arg Arg Gln Tyr Val Arg Lys
 290 295 300
 Tyr Glu Gly Glu Ala Glu Glu Arg Lys Lys Leu Arg Gln Glu Asn Gly
 305 310 315 320
 Asn Val His Ala Ile Ala
 325

5164

<210> 5874

<211> 58

<212> PRT

<213> Homo sapiens

<400> 5874

Ala Pro Gln Arg Ser Ser Leu Val Asp Arg Val Arg Leu His Leu Lys
1 5 10 15

Lys Ile Lys Ile Lys Leu Phe Ser Glu Glu Gln Met Ser His Ser Ser
20 25 30

Asn Asp Pro Leu Ser Arg Asn Met Val Glu Phe Ser Pro Ile Gln Val
35 40 45

Ser His Ile Gln Lys Thr Thr Ser His Tyr
50 55

<210> 5875

<211> 93

<212> PRT

<213> Homo sapiens

<400> 5875

Gly Arg Leu Trp Ser Arg Glu Glu Ala Met Ala Thr Met Glu Asn Lys
1 5 10 15

Val Ile Cys Ala Leu Val Leu Val Ser Met Leu Ala Leu Gly Thr Leu
20 25 30

Ala Glu Ala Gln Thr Glu Thr Cys Thr Val Ala Pro Arg Glu Arg Gln
35 40 45

Asn Cys Gly Phe Pro Gly Val Thr Pro Ser Gln Cys Ala Asn Lys Gly
50 55 60

Cys Cys Phe Asp Asp Thr Val Arg Gly Val Pro Trp Cys Phe Tyr Pro
65 70 75 80

Asn Thr Ile Asp Val Pro Pro Glu Glu Glu Cys Glu Phe
85 90

<210> 5876

<211> 55

5165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5876

Lys Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Ile Ser
 1 5 10 15

Pro Arg Ala Arg Leu Pro Pro Xaa Pro Asp Thr Ser Asp Thr Leu Leu
 20 25 30

Gln Leu Cys Leu Gly Ser Gln His Arg Leu Thr Ala Leu Thr Leu Thr
 35 40 45

Thr Gln Asn Trp Pro Lys Asn
 50 55

<210> 5877

<211> 214

<212> PRT

<213> Homo sapiens

<400> 5877

Ala Gly Arg Pro Met Lys Val Gly His Val Thr Glu Arg Thr Asp Ala
 1 5 10 15

Ser Ser Ala Ser Ser Phe Leu Asp Ser Asp Glu Leu Glu Arg Thr Gly
 20 25 30

Ile Asp Leu Gly Thr Thr Gly Arg Leu Gln Leu Met Ala Arg Leu Ala
 35 40 45

Glu Gly Thr Gly Leu Gln Ile Pro Pro Ala Ala Gln Gln Ala Leu Gln
 50 55 60

Met Ser Gly Ser Leu Ala Phe Gly Ala Val Ala Glu Phe Ser Phe Val
 65 70 75 80

Ile Asp Leu Gln Thr Arg Leu Ser Gln Gln Thr Glu Ala Ser Ala Leu
 85 90 95

Ala Ala Ala Ala Ser Val Gln Pro Leu Ala Thr Gln Cys Phe Gln Leu
 100 105 110

Ser Asn Met Phe Asn Pro Gln Thr Glu Glu Glu Val Gly Trp Asp Thr

5166

115	120	125
Glu Ile Lys Asp Asp Val Ile Glu Glu Cys Asn Lys His Gly Gly Val		
130	135	140
Ile His Ile Tyr Val Asp Lys Asn Ser Ala Gln Gly Asn Val Tyr Val		
145	150	155
Lys Cys Pro Ser Ile Ala Ala Ala Ile Ala Ala Val Asn Ala Leu His		
	165	170
Gly Arg Trp Phe Ala Gly Lys Met Ile Thr Ala Ala Tyr Val Pro Leu		
	180	185
Pro Thr Tyr His Asn Leu Phe Pro Asp Ser Met Thr Ala Thr Gln Leu		
	195	200
Leu Val Pro Ser Arg Arg		
210		

<210> 5878

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5878

Asn Cys Ser Pro Ala Phe Tyr Gly Ser Ser Leu Pro Cys Pro Gln Thr
1 5 10 15
Gln Gln Lys Arg Arg Gly Arg Ile Arg Gly Leu Ser Arg Pro Ala Pro
20 25 30
Leu Pro Thr Cys His Thr Arg Cys Glu Phe Glu His Ser Pro Xaa Met
35 40 45
Glu Thr Ser His Pro Gln Leu Asn Asn Gly Pro Phe Met Pro Thr Leu
50 55 60
Pro Thr Arg Arg Gly Gln Arg Cys Thr Arg Arg Pro Ser Ser Ser Pro
65 70 75 80
Ser Ser Ala Pro Ser His Tyr Ser Trp Phe Tyr
85 90

5167

<210> 5879

<211> 52

<212> PRT

<213> Homo sapiens

<400> 5879

Thr Gln Lys Thr Ser Ser Leu Leu Pro Ala Leu Ser Leu Gln Leu Pro
1 5 10 15

Leu Leu Thr Arg Phe Ser Ile Met Cys Ser Val Lys Glu Glu Phe Trp
20 25 30

Arg Val Gln Ser Ile Ile Thr Glu Leu Val Leu Lys Gly Glu Phe Gly
35 40 45

Val Lys Arg Gln
50

<210> 5880

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5880

Ala Asp Asp Ser Phe Phe Thr Gly Ile Ala Phe Xaa Thr Ser Ile Ser
1 5 10 15

Val Asn Asn Cys Val Cys His Phe Ser Pro Leu Lys Ser Asp Gln Asp
20 25 30

Tyr Ile Leu Lys Glu Gly Asp Leu Val Lys Met
35 40

<210> 5881

<211> 131

<212> PRT

<213> Homo sapiens

<400> 5881

Pro Thr Arg Pro Ala Gln Thr Ala Leu Pro Tyr Ala Met Asn Ser Glu

5168

1 5 10 15
 Phe Ser Ser Val Leu Ala Ala Gln Leu Lys His His Ser Glu Asn Lys
 20 25 30
 Gly Leu Asp Lys Val Met Glu Thr Gln Ala Gln Val Asp Glu Leu Lys
 35 40 45
 Gly Ile Met Val Arg Asn Ile Asp Leu Val Ala Gln Arg Gly Glu Arg
 50 55 60
 Leu Glu Leu Leu Ile Asp Lys Thr Glu Asn Leu Val Asp Ser Ser Val
 65 70 75 80
 Thr Phe Lys Thr Thr Ser Arg Asn Leu Ala Arg Ala Met Cys Met Lys
 85 90 95
 Asn Leu Lys Leu Thr Ile Ile Ile Ile Ile Val Ser Ile Val Phe Ile
 100 105 110
 Tyr Ile Ile Val Ser Pro Leu Cys Gly Gly Phe Thr Trp Pro Ser Cys
 115 120 125
 Val Lys Lys
 130

<210> 5882

<211> 226

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (197)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5882

Asn Phe Gly Ile Lys Asp Lys Pro Thr Phe Ile Lys Gly Ile Gly Ala
 1 5 10 15
 Gly Gly Ser Ile Thr Gly Leu Lys Phe Asn Pro Leu Asn Thr Asn Gln
 20 25 30
 Phe Tyr Ala Ser Ser Met Glu Gly Thr Thr Arg Leu Gln Asp Phe Lys
 35 40 45
 Gly Asn Ile Leu Arg Val Phe Ala Ser Ser Asp Thr Ile Asn Ile Trp
 50 55 60

5169

Phe Cys Ser Leu Asp Val Ser Ala Ser Ser Arg Met Val Val Thr Gly
 65 70 75 80
 Asp Asn Val Gly Asn Val Ile Leu Leu Asn Met Asp Gly Lys Glu Leu
 85 90 95
 Trp Asn Leu Arg Met His Lys Lys Lys Val Thr His Val Ala Leu Asn
 100 105 110
 Pro Cys Cys Asp Trp Phe Leu Ala Thr Ala Ser Val Asp Gln Thr Val
 115 120 125
 Lys Ile Trp Asp Leu Arg Gln Val Arg Gly Lys Ala Ser Phe Leu Tyr
 130 135 140
 Ser Leu Pro His Arg His Pro Val Asn Ala Ala Cys Phe Ser Pro Asp
 145 150 155 160
 Gly Ala Arg Leu Leu Thr Thr Asp Gln Lys Ser Glu Ile Arg Val Tyr
 165 170 175
 Ser Ala Ser Gln Trp Asp Cys Pro Leu Gly Leu Ile Pro His Pro His
 180 185 190
 Arg His Phe Gln Xaa Leu Thr Pro Ile Lys Ala Ala Trp Asp Pro Arg
 195 200 205
 Tyr Asn Leu Ile Val Val Gly Arg Tyr Pro Asp Pro Asn Phe Lys Ser
 210 215 220
 Cys Thr
 225

<210> 5883

<211> 484

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5883

Trp Leu Leu Arg Ser Pro Gly Lys Leu Thr Ala Arg Glu Arg Ile Ser
 1 5 10 15
 Leu Leu Leu Asp Pro Gly Ser Phe Xaa Glu Ser Asp Met Phe Val Glu
 20 25 30

5170

His	Arg	Cys	Ala	Asp	Phe	Gly	Met	Ala	Ala	Asp	Lys	Asn	Lys	Phe	Pro	35	40	45	
Gly	Asp	Ser	Val	Val	Thr	Gly	Arg	Gly	Arg	Ile	Asn	Gly	Arg	Leu	Val	50	55	60	
Tyr	Val	Phe	Ser	Gln	Asp	Phe	Thr	Val	Phe	Gly	Gly	Ser	Leu	Ser	Gly	65	70	75	80
Ala	His	Ala	Gln	Lys	Ile	Cys	Lys	Ile	Met	Asp	Gln	Ala	Ile	Thr	Val	85	90	95	
Gly	Ala	Pro	Val	Ile	Gly	Leu	Asn	Asp	Ser	Gly	Gly	Ala	Arg	Ile	Gln	100	105	110	
Glu	Gly	Val	Glu	Ser	Leu	Ala	Gly	Tyr	Ala	Asp	Ile	Phe	Leu	Arg	Asn	115	120	125	
Val	Thr	Ala	Ser	Gly	Val	Ile	Pro	Gln	Ile	Ser	Leu	Ile	Met	Gly	Pro	130	135	140	
Cys	Ala	Gly	Gly	Ala	Val	Tyr	Ser	Pro	Ala	Leu	Thr	Asp	Phe	Thr	Phe	145	150	155	160
Met	Val	Lys	Asp	Thr	Ser	Tyr	Leu	Phe	Ile	Thr	Gly	Pro	Asp	Val	Val	165	170	175	
Lys	Ser	Val	Thr	Asn	Glu	Asp	Val	Thr	Gln	Glu	Glu	Leu	Gly	Gly	Ala	180	185	190	
Lys	Thr	His	Thr	Thr	Met	Ser	Gly	Val	Ala	His	Arg	Ala	Phe	Glu	Asn	195	200	205	
Asp	Val	Asp	Ala	Leu	Cys	Asn	Leu	Arg	Asp	Phe	Phe	Asn	Tyr	Leu	Pro	210	215	220	
Leu	Ser	Ser	Gln	Asp	Pro	Ala	Pro	Val	Arg	Glu	Cys	His	Asp	Pro	Ser	225	230	235	240
Asp	Arg	Leu	Val	Pro	Glu	Leu	Asp	Thr	Ile	Val	Pro	Leu	Glu	Ser	Thr	245	250	255	
Lys	Ala	Tyr	Asn	Met	Val	Asp	Ile	Ile	His	Ser	Val	Val	Asp	Glu	Arg	260	265	270	
Glu	Phe	Phe	Glu	Ile	Met	Pro	Asn	Tyr	Ala	Lys	Asn	Ile	Ile	Val	Gly	275	280	285	
Phe	Ala	Arg	Met	Asn	Gly	Arg	Thr	Val	Gly	Ile	Val	Gly	Asn	Gln	Pro	290	295	300	

5171

Lys Val Ala Ser Gly Cys Leu Asp Ile Asn Ser Ser Val Lys Gly Ala
 305 310 315 320
 Arg Phe Val Arg Phe Cys Asp Ala Phe Asn Ile Pro Leu Ile Thr Phe
 325 330 335
 Val Asp Val Pro Gly Phe Leu Pro Gly Thr Ala Gln Glu Tyr Gly Gly
 340 345 350
 Ile Ile Arg His Gly Ala Lys Leu Leu Tyr Ala Phe Ala Glu Ala Thr
 355 360 365
 Val Pro Lys Val Thr Val Ile Thr Arg Lys Ala Tyr Gly Gly Ala Tyr
 370 375 380
 Asp Val Met Ser Ser Lys His Leu Cys Gly Asp Thr Asn Tyr Ala Trp
 385 390 395 400
 Pro Thr Ala Glu Ile Ala Val Met Gly Ala Lys Gly Ala Val Glu Ile
 405 410 415
 Ile Phe Lys Gly His Glu Asn Val Glu Ala Ala Gln Ala Glu Tyr Ile
 420 425 430
 Glu Lys Phe Ala Asn Pro Phe Pro Ala Ala Val Arg Gly Phe Val Asp
 435 440 445
 Asp Ile Ile Gln Pro Ser Ser Thr Arg Ala Arg Ile Cys Cys Asp Leu
 450 455 460
 Asp Val Leu Ala Ser Lys Lys Val Gln Arg Pro Trp Arg Lys His Ala
 465 470 475 480
 Asn Ile Pro Leu

<210> 5884

<211> 344

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5172

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (325)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (327)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5884

Asn	Lys	Met	Lys	Ile	Phe	Ser	Glu	Ser	His	Lys	Thr	Val	Phe	Val	Val
1				5						10				15	

Asp	His	Cys	Pro	Tyr	Met	Ala	Glu	Ser	Cys	Arg	Gln	His	Val	Glu	Phe
			20						25				30		

Asp	Met	Leu	Val	Lys	Asn	Arg	Thr	Gln	Gly	Ile	Ile	Pro	Leu	Ala	Pro
		35					40					45			

Ile	Ser	Lys	Ser	Leu	Trp	Thr	Xaa	Ser	Val	Glu	Ser	Ser	Xaa	Glu	Tyr
	50					55					60				

Cys	Arg	Ile	Met	Tyr	Asp	Ile	Phe	Pro	Phe	Lys	Lys	Leu	Val	Asn	Phe
65					70					75				80	

Ile	Val	Ser	Asp	Ser	Gly	Ala	His	Val	Leu	Asn	Ser	Trp	Thr	Gln	Glu
				85						90				95	

Asp	Gln	Asn	Leu	Gln	Glu	Leu	Met	Ala	Ala	Leu	Ala	Ala	Xaa	Gly	Pro
			100					105					110		

Pro	Asn	Pro	Arg	Ala	Asp	Pro	Glu	Cys	Cys	Ser	Ile	Leu	His	Gly	Leu
		115					120					125			

Val	Ala	Ala	Val	Glu	Thr	Leu	Cys	Lys	Ile	Thr	Glu	Tyr	Gln	His	Glu
	130					135					140				

Ala	Arg	Thr	Leu	Leu	Met	Glu	Asn	Ala	Glu	Arg	Val	Gly	Asn	Arg	Gly
145					150					155				160	

Arg	Ile	Ile	Cys	Ile	Thr	Asn	Ala	Lys	Ser	Asp	Ser	His	Val	Arg	Met
				165					170					175	

5173

Leu Glu Asp Cys Val Gln Glu Thr Ile His Glu His Asn Lys Leu Ala
180 185 190

Ala Asn Ser Asp His Leu Met Gln Ile Gln Lys Cys Glu Leu Val Leu
195 200 205

Ile His Thr Tyr Pro Val Gly Glu Asp Ser Leu Val Ser Asp Arg Ser
210 215 220

Lys Lys Glu Leu Ser Pro Val Leu Thr Ser Glu Val His Ser Val Arg
225 230 235 240

Ala Gly Arg His Leu Ala Thr Lys Leu Asn Ile Leu Val Gln Gln His
245 250 255

Phe Asp Leu Ala Ser Thr Thr Ile Thr Asn Ile Pro Met Lys Glu Glu
260 265 270

Gln His Ala Asn Thr Ser Ala Asn Tyr Asp Val Glu Leu Leu His His
275 280 285

Lys Asp Ala His Val Asp Phe Leu Lys Ser Gly Asp Ser His Leu Gly
290 295 300

Gly Gly Ser Arg Glu Gly Ser Phe Lys Glu Thr Ile Thr Leu Lys Trp
305 310 315 320

Cys Thr Pro Arg Xaa Lys Xaa Thr Leu Cys Phe Leu Leu Phe Gln Glu
325 330 335

Leu His Tyr Cys Thr Gly Ala Leu
340

<210> 5885

<211> 365

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (155)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

5174

<220>

<221> SITE

<222> (192)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5885

Pro Glu His Ser Trp Ser Ser Ser Ser Ser Thr Lys Arg Trp Thr Glu
 1 5 10 15

Lys Thr Ala Glu Thr Met Gly Pro Pro Ser Ala Pro Pro Cys Arg Leu
 20 25 30

His Val Pro Trp Lys Glu Val Leu Leu Thr Ala Ser Leu Leu Thr Phe
 35 40 45

Trp Asn Pro Pro Thr Thr Ala Lys Leu Thr Ile Glu Ser Thr Pro Phe
 50 55 60

Asn Val Ala Glu Gly Lys Glu Val Leu Leu Leu Ala His Asn Leu Pro
 65 70 75 80

Gln Asn Arg Ile Gly Tyr Ser Trp Tyr Lys Gly Glu Arg Val Asp Gly
 85 90 95

Asn Ser Leu Ile Val Gly Tyr Val Ile Gly Thr Gln Gln Ala Thr Pro
 100 105 110

Gly Pro Ala Tyr Ser Gly Arg Glu Thr Ile Tyr Pro Asn Ala Ser Leu
 115 120 125

Leu Ile Gln Asn Val Thr Gln Asn Asp Thr Gly Phe Tyr Thr Leu Gln
 130 135 140

Val Ile Lys Ser Asp Leu Val Asn Glu Glu Xaa Thr Gly Gln Phe His
 145 150 155 160

Val Tyr Pro Glu Leu Pro Lys Pro Ser Ile Xaa Ser Asn Asn Ser Asn
 165 170 175

Pro Val Glu Asp Lys Asp Ala Val Ala Phe Thr Cys Glu Pro Glu Xaa
 180 185 190

Gln Asn Thr Thr Tyr Leu Trp Trp Val Asn Gly Gln Ser Leu Pro Val
 195 200 205

Ser Pro Arg Leu Gln Leu Ser Asn Gly Asn Met Thr Leu Thr Leu Leu
 210 215 220

Ser Val Lys Arg Asn Asp Ala Gly Ser Tyr Glu Cys Glu Ile Gln Asn
 225 230 235 240

5175

Pro Ala Ser Ala Asn Arg Ser Asp Pro Val Thr Leu Asn Val Leu Tyr
245 250 255

Gly Pro Asp Gly Pro Thr Ile Ser Pro Ser Lys Ala Asn Tyr Arg Pro
260 265 270

Gly Glu Asn Leu Asn Leu Ser Cys His Ala Ala Ser Asn Pro Pro Ala
275 280 285

Gln Tyr Ser Trp Phe Ile Asn Gly Thr Phe Gln Gln Ser Thr Gln Glu
290 295 300

Leu Phe Ile Pro Asn Ile Thr Val Asn Asn Ser Gly Ser Tyr Met Cys
305 310 315 320

Gln Ala His Asn Ser Ala Thr Gly Leu Asn Arg Thr Thr Val Thr Met
325 330 335

Ile Thr Val Ser Gly Ser Ala Pro Val Leu Ser Ala Val Ala Thr Val
340 345 350

Gly Ile Thr Ile Gly Val Leu Ala Arg Val Ala Leu Ile
355 360 365

<210> 5886

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

$\langle 220 \rangle$

<221> SITE

$\langle 222 \rangle$ (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5886

Asp Pro Val Ser Glu Glu Gly Glu Gly Leu Ser Cys Xaa Asp Gln Xaa
1 5 10 15

His Arg Asp Pro Leu Gly Arg Gly Ala Gly Arg Ala Lys Lys Arg Thr
20 25 30

Cys Lys Gly Arg Arg Arg Asn Pro Asp Ala Ala Ser Glu Val Gln Ala
35 40 45

5176

His Leu Val Asn Met His Cys His Glu Phe Leu Pro Asp Val Leu Leu
 50 55 60

Phe Ser Phe Thr Tyr Ser Phe Asp Gln Ile Val Cys Gly Leu Asn Lys
 65 70 75 80

Met Lys Ile Ser Ser Pro Leu Phe Leu Gly Asn Thr Leu
 85 90

<210> 5887
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 5887

Leu Cys Glu Lys Trp Ala Gln Trp Pro Ser Pro Glu Ile Ser Phe Ile
 1 5 10 15

Leu Gly Gln Glu Phe Asp Glu Val Thr Ala Asp Asp Arg Lys Val Lys
 20 25 30

Ser Thr Ile Thr Leu Asp Gly Gly Val Leu Val His Val Gln Lys Trp
 35 40 45

Asp Gly Lys Ser Thr Thr Ile Lys Arg Lys Arg Glu Asp Asp Lys Leu
 50 55 60

Val Val Glu Cys Val Met Lys Gly Val Thr Ser Thr Arg Val Tyr Glu
 65 70 75 80

Arg Ala

<210> 5888
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 5888

Asp Leu His Ser Gln Trp Gly Thr Trp Pro Pro Ile Leu Gly Asp Leu
 1 5 10 15

Arg Lys Arg Thr Ser Pro Trp Gly Glu Gly Trp Val Gly Pro Glu Gly
 20 25 30

Pro Val Pro Ser Ser Val Leu Arg Gly Arg Ala Thr Cys Ser Asn Gly
 35 40 45

5177

Ile Cys Ile Leu Ala Pro Leu His Leu Leu Ser Pro Ala Glu Ser Phe
 50 55 60

Pro Ser Lys Pro Lys Ser Cys His Cys Phe Phe Leu Pro Gly Lys Asn
 65 70 75 80

Ala Trp Thr Leu Pro Gly Asp Arg Leu Lys Pro Glu Gln Cys His Thr
 85 90 95

Leu Ala Leu Ile Pro Cys
 100

<210> 5889

<211> 51

<212> PRT

<213> Homo sapiens

<400> 5889

Tyr Pro Leu Phe Thr Ile Met Leu Phe Glu Thr Lys Val Thr Met Tyr
 1 5 10 15

Thr Ile Leu Leu Glu Glu Val Phe Asp Arg Lys Ser Asn Ile Met Ser
 20 25 30

Phe Ile Asn Phe Leu Val Leu Lys Lys Ala Val Ile Tyr Ile Tyr Lys
 35 40 45

Leu Cys Lys
 50

<210> 5890

<211> 239

<212> PRT

<213> Homo sapiens

<400> 5890

Glu Tyr Gly Ser Pro Ser Val Ile Ser Val Ser Lys Gly Ser Pro Asp
 1 5 10 15

Gly Ser His Pro Val Val Val Ala Pro Tyr Asn Gly Gly Pro Pro Arg
 20 25 30

Thr Cys Pro Lys Ile Lys Gln Glu Ala Val Ser Ser Cys Thr His Leu
 35 40 45

Gly Ala Gly Pro Pro Leu Ser Asn Gly His Arg Pro Ala Ala His Asp

5178

50		55		60											
Phe	Pro	Leu	Gly	Arg	Gln	Leu	Pro	Ser	Arg	Thr	Thr	Pro	Thr	Leu	Gly
65					70					75					80
Leu	Glu	Glu	Val	Leu	Ser	Ser	Arg	Asp	Cys	His	Pro	Ala	Leu	Pro	Leu
				85					90					95	
Pro	Pro	Gly	Phe	His	Pro	His	Pro	Gly	Pro	Asn	Tyr	Pro	Ser	Phe	Leu
			100					105					110		
Pro	Asp	Gln	Met	Gln	Pro	Gln	Val	Pro	Pro	Leu	His	Tyr	Gln	Glu	Leu
		115					120					125			
Met	Pro	Pro	Gly	Ser	Cys	Met	Pro	Glu	Glu	Pro	Lys	Pro	Lys	Arg	Gly
	130					135					140				
Arg	Arg	Ser	Trp	Pro	Arg	Lys	Arg	Thr	Ala	Thr	His	Thr	Cys	Asp	Tyr
145					150					155					160
Ala	Gly	Cys	Gly	Lys	Thr	Tyr	Thr	Lys	Ser	Ser	His	Leu	Lys	Ala	His
				165					170					175	
Leu	Arg	Thr	His	Thr	Gly	Glu	Lys	Pro	Tyr	His	Cys	Asp	Trp	Asp	Gly
			180					185					190		
Cys	Gly	Trp	Lys	Phe	Ala	Arg	Ser	Asp	Glu	Leu	Thr	Arg	His	Tyr	Arg
	195						200					205			
Lys	His	Thr	Gly	His	Arg	Pro	Phe	Gln	Cys	Gln	Lys	Cys	Asp	Arg	Ala
	210					215					220				
Phe	Ser	Arg	Ser	Asp	His	Leu	Ala	Leu	His	Met	Lys	Arg	His	Phe	
225					230					235					

<210> 5891

<211> 269

<212> PRT

<213> Homo sapiens

<400> 5891

Leu	Val	Pro	Asn	Ser	Ala	Arg	Val	Gly	Thr	Arg	Ser	Lys	Gly	Val	Cys
1				5				10						15	
Val	His	Gly	Asn	Ala	Glu	Tyr	Gln	Pro	Gly	Ser	Pro	Val	Tyr	Ser	Ser
			20					25					30		
Lys	Cys	Gln	Asp	Cys	Val	Cys	Thr	Asp	Lys	Val	Asp	Asn	Asn	Thr	Leu
		35					40					45			

5179

Leu Asn Val Ile Ala Cys Thr His Val Pro Cys Asn Thr Ser Cys Ser
 50 55 60
 Pro Gly Phe Glu Leu Met Glu Ala Pro Gly Glu Cys Cys Lys Lys Cys
 65 70 75 80
 Glu Gln Thr His Cys Ile Ile Lys Arg Pro Asp Asn Gln His Val Ile
 85 90 95
 Leu Lys Pro Gly Asp Phe Lys Ser Asp Pro Lys Asn Asn Cys Thr Phe
 100 105 110
 Phe Ser Cys Val Lys Ile His Asn Gln Leu Ile Ser Ser Val Ser Asn
 115 120 125
 Ile Thr Cys Pro Asn Phe Asp Ala Ser Ile Cys Ile Pro Gly Ser Ile
 130 135 140
 Thr Phe Met Pro Asn Gly Cys Cys Lys Thr Cys Thr Pro Arg Asn Glu
 145 150 155 160
 Thr Arg Val Pro Cys Ser Thr Val Pro Val Thr Thr Glu Val Ser Tyr
 165 170 175
 Ala Gly Cys Thr Lys Thr Val Leu Met Asn His Cys Ser Gly Ser Cys
 180 185 190
 Gly Thr Phe Val Met Tyr Ser Ala Lys Ala Gln Ala Leu Asp His Ser
 195 200 205
 Cys Ser Cys Cys Lys Glu Glu Lys Thr Ser Gln Arg Glu Val Val Leu
 210 215 220
 Ser Cys Pro Asn Gly Gly Ser Leu Thr His Thr Tyr Thr His Ile Glu
 225 230 235 240
 Ser Cys Gln Cys Gln Asp Thr Val Cys Gly Leu Pro Thr Gly Thr Ser
 245 250 255
 Arg Arg Ala Arg Arg Ser Pro Arg His Leu Gly Ser Gly
 260 265

<210> 5892

<211> 227

<212> PRT

<213> Homo sapiens

<220>

5180

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5892

Ala Cys His Glu Lys Val Val Asn Ile Gln Lys Asp Pro Gly Glu Ser
 1 5 10 15

Leu Gly Met Thr Val Ala Gly Gly Ala Ser His Arg Xaa Trp Asp Leu
 20 25 30

Pro Ile Tyr Val Ile Ser Val Glu Pro Gly Gly Val Ile Ser Arg Asp
 35 40 45

Gly Arg Ile Lys Thr Gly Asp Ile Leu Leu Asn Val Asp Gly Val Glu
 50 55 60

Leu Thr Glu Val Ser Arg Ser Glu Ala Val Ala Leu Leu Lys Arg Thr
 65 70 75 80

Ser Ser Ser Ile Val Leu Lys Ala Leu Glu Val Lys Glu Tyr Glu Pro
 85 90 95

Gln Glu Asp Cys Ser Ser Pro Ala Ala Leu Asp Ser Asn His Asn Met
 100 105 110

Ala Pro Pro Ser Asp Trp Ser Pro Ser Trp Val Met Trp Leu Glu Leu
 115 120 125

Pro Arg Cys Leu Tyr Asn Cys Lys Asp Ile Val Leu Arg Arg Asn Thr
 130 135 140

Ala Gly Ser Leu Gly Phe Cys Ile Val Gly Gly Tyr Glu Glu Tyr Asn
 145 150 155 160

Gly Asn Lys Pro Phe Phe Ile Lys Ser Ile Val Glu Gly Thr Pro Ala
 165 170 175

Tyr Asn Asp Gly Arg Ile Arg Cys Gly Asp Ile Leu Leu Ala Val Asn
 180 185 190

Gly Arg Ser Thr Ser Gly Met Ile His Ala Cys Leu Ala Arg Leu Leu
 195 200 205

Lys Glu Leu Lys Gly Arg Ile Thr Leu Thr Ile Val Ser Trp Pro Gly
 210 215 220

Thr Phe Leu
 225

5181

<210> 5893

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5893

Ser Ser His Phe Tyr Ala Lys Gln Glu Xaa Ser Ile Thr Leu Val Leu
 1 5 10 15

Met Tyr Thr Leu His Phe Asp Lys Ile Asn Phe Val Val Ser Phe Glu
 20 25 30

Val Asp Arg Cys Val Val Val Leu Leu His Phe Leu Leu Phe Cys Val
 35 40 45

Trp Ser Cys Ile Pro Glu Thr Asn Glu Ala Leu Gly Tyr Phe Ile Lys
 50 55 60

Cys Ser Asp Cys Gln Gln Arg Ala Gly Phe Leu Phe Leu Cys Cys Gly
 65 70 75 80

Val Asn Arg Thr Met Val Trp Glu
 85

<210> 5894

<211> 571

<212> PRT

<213> Homo sapiens

<400> 5894

Arg Val Arg Ser Lys Val Pro Arg Cys Val Asn Thr Gln Pro Gly Phe
 1 5 10 15

His Cys Leu Pro Cys Pro Pro Arg Tyr Arg Gly Asn Gln Pro Val Gly
 20 25 30

Val Gly Leu Glu Ala Ala Lys Thr Glu Lys Gln Val Cys Glu Pro Glu
 35 40 45

Asn Pro Cys Lys Asp Lys Thr His Asn Cys His Lys His Ala Glu Cys
 50 55 60

Ile Tyr Leu Gly His Phe Ser Asp Pro Met Tyr Lys Cys Glu Cys Gln

5182

65		70		75		80
Thr Gly Tyr Ala Gly Asp Gly Leu Ile Cys Gly Glu Asp Ser Asp Leu						
	85		90		95	
Asp Gly Trp Pro Asn Leu Asn Leu Val Cys Ala Thr Asn Ala Thr Tyr						
	100		105		110	
His Cys Ile Lys Asp Asn Cys Pro His Leu Pro Asn Ser Gly Gln Glu						
	115		120		125	
Asp Phe Asp Lys Asp Gly Ile Gly Asp Ala Cys Asp Asp Asp Asp Asp						
	130		135		140	
Asn Asp Gly Val Thr Asp Glu Lys Asp Asn Cys Gln Leu Leu Phe Asn						
	145		150		155	160
Pro Arg Gln Ala Asp Tyr Asp Lys Asp Glu Val Gly Asp Arg Cys Asp						
	165		170		175	
Asn Cys Pro Tyr Val His Asn Pro Ala Gln Ile Asp Thr Asp Asn Asn						
	180		185		190	
Gly Glu Gly Asp Ala Cys Ser Val Asp Ile Asp Gly Asp Asp Val Phe						
	195		200		205	
Asn Glu Arg Asp Asn Cys Pro Tyr Val Tyr Asn Thr Asp Gln Arg Asp						
	210		215		220	
Thr Asp Gly Asp Gly Val Gly Asp His Cys Asp Asn Cys Pro Leu Val						
	225		230		235	240
His Asn Pro Asp Gln Thr Asp Val Asp Asn Asp Leu Val Gly Asp Gln						
	245		250		255	
Cys Asp Asn Asn Glu Asp Ile Asp Asp Asp Gly His Gln Asn Asn Gln						
	260		265		270	
Asp Asn Cys Pro Tyr Ile Ser Asn Ala Asn Gln Ala Asp His Asp Arg						
	275		280		285	
Asp Gly Gln Gly Asp Ala Cys Asp Pro Asp Asp Asp Asn Asp Gly Val						
	290		295		300	
Pro Asp Asp Arg Asp Asn Cys Arg Leu Val Phe Asn Pro Asp Gln Glu						
	305		310		315	320
Asp Leu Asp Gly Asp Gly Arg Gly Asp Ile Cys Lys Asp Asp Phe Asp						
	325		330		335	
Asn Asp Asn Ile Pro Asp Ile Asp Asp Val Cys Pro Glu Asn Asn Ala						

5183

340	345	350
Ile Ser Glu Thr Asp Phe Arg Asn Phe Gln Met Val Pro Leu Asp Pro		
355	360	365
Lys Gly Thr Thr Gln Ile Asp Pro Asn Trp Val Ile Arg His Gln Gly		
370	375	380
Lys Glu Leu Val Gln Thr Ala Asn Ser Asp Pro Gly Ile Ala Val Gly		
385	390	395
Phe Asp Glu Phe Gly Ser Val Asp Phe Ser Gly Thr Phe Tyr Val Asn		
405	410	415
Thr Asp Arg Asp Asp Asp Tyr Ala Gly Phe Val Phe Gly Tyr Gln Ser		
420	425	430
Ser Ser Arg Phe Tyr Val Val Met Trp Lys Gln Val Thr Gln Thr Tyr		
435	440	445
Trp Glu Asp Gln Pro Thr Arg Ala Tyr Gly Tyr Ser Gly Val Ser Leu		
450	455	460
Lys Val Val Asn Ser Thr Thr Gly Thr Gly Glu His Leu Arg Asn Ala		
465	470	475
Leu Trp His Thr Gly Asn Thr Pro Gly Gln Val Arg Thr Leu Trp His		
485	490	495
Asp Pro Arg Asn Ile Gly Trp Lys Asp Tyr Thr Ala Tyr Arg Trp His		
500	505	510
Leu Thr His Arg Pro Lys Thr Gly Tyr Ile Arg Val Leu Val His Glu		
515	520	525
Gly Lys Gln Val Met Ala Asp Ser Gly Pro Ile Tyr Asp Gln Thr Tyr		
530	535	540
Ala Gly Gly Arg Leu Gly Leu Phe Val Phe Ser Gln Glu Met Val Tyr		
545	550	555
Phe Ser Asp Leu Lys Tyr Glu Cys Arg Asp Ile		
565	570	

<210> 5895

<211> 59

<212> PRT

<213> Homo sapiens

5184

<400> 5895

Asn Phe Leu Asn Glu Met Ile Asn Arg Trp Asn Leu Lys Tyr Ile Leu
 1 5 10 15
 Leu Gln Lys Arg Phe Leu Ser Leu Leu Tyr Phe Asp Asp Cys Phe Leu
 20 25 30
 Lys Ile Lys Ile Cys Ser Cys Ser Phe Ile Arg Leu Phe Lys Leu Cys
 35 40 45
 Phe Pro Leu Ile Phe Phe His His Cys Ile Tyr
 50 55

<210> 5896

<211> 176

<212> PRT

<213> Homo sapiens

<400> 5896

Arg Pro Thr Arg Pro Ser Arg Asp Cys Glu Gly Glu Arg Ser Lys Pro
 1 5 10 15
 Arg Arg Arg Trp Lys Gly Trp Arg Thr His Leu Asn Met Trp Asn Pro
 20 25 30
 Asn Ala Gly Gln Pro Gly Pro Asn Pro Tyr Pro Pro Asn Ile Gly Cys
 35 40 45
 Pro Gly Gly Ser Asn Pro Ala His Pro Pro Pro Ile Asn Pro Pro Phe
 50 55 60
 Pro Pro Gly Pro Cys Pro Pro Pro Pro Gly Ala Pro His Gly Asn Pro
 65 70 75 80
 Ala Phe Pro Pro Gly Gly Pro Pro His Pro Val Pro Gln Pro Gly Tyr
 85 90 95
 Pro Gly Cys Gln Pro Leu Gly Pro Tyr Pro Pro Pro Tyr Pro Pro Pro
 100 105 110
 Ala Pro Gly Ile Pro Pro Val Asn Pro Leu Ala Pro Gly Met Val Gly
 115 120 125
 Pro Ala Val Ile Val Asp Lys Lys Met Gln Lys Lys Met Lys Lys Ala
 130 135 140
 His Lys Lys Met His Lys His Gln Lys His His Lys Tyr His Lys His
 145 150 155 160

Gly Lys His Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Asp Ser Asp
165 170 175

<400> 5897
Leu Gly Gly Cys Arg Asp Val Pro Ser Leu Thr Leu Leu Ser Thr Val
1 5 10 15

Ile Arg Pro Phe Arg Glu His His Ile Asp Pro Thr Ala Ile Thr Arg
50 55 60

Pro Leu Leu Asn Met Ala Tyr Lys Phe Arg Thr His Ser Pro Glu Ala
85 90 95

Phe Gly Thr Phe Thr Asn Gln Ile His Lys Trp Ser His Thr Tyr Phe
115 120 125

Gly Leu Pro Arg Trp Val Thr Leu Leu Gln Asp Trp His Val Ile Leu
130 135 140

Pro Arg Lys His His Arg Ile His His Val Ser Pro His Glu Thr Tyr
145 150 155 160

Phe Cys Ile Thr Thr Gly Trp Leu Asn Tyr Pro Leu Glu Lys Ile Gly
165 170 175

Phe Trp Arg Arg Leu Glu Asp Leu Ile Gln Gly Leu Thr Gly Glu Lys
180 185 190

Pro Arg Ala Asp Asp Met Lys Trp Ala Gln Lys Ile Lys

5186

195

200

205

<210> 5898

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5898

Lys	Trp	Leu	Leu	Val	Asn	Phe	Asp	Cys	Ser	Ala	Met	Trp	Val	Lys	Lys
1				5					10					15	

Arg	Thr	Asp	Leu	Thr	Gly	Ala	Phe	Arg	Leu	Asp	Pro	Thr	Tyr	Leu	Lys
			20					25					30		

His	Ser	His	Gln	Asp	Ser	Gly	Leu	Ile	Thr	Asp	Tyr	Arg	His	Trp	Gln
		35					40					45			

Ile	Pro	Leu	Gly	Arg	Arg	Phe	Arg	Ser	Leu	Lys	Met	Trp	Phe	Val	Phe
	50					55					60				

Arg	Met	Tyr	Gly	Val	Lys	Gly	Leu	Gln	Ala	Tyr	Ile	Arg	Lys	His	Val
65					70					75					80

Gln	Leu	Ser	Xaa	Xaa	Phe	Glu	Ser	Leu	Val	Arg	Gln	Gly	Ser	Pro	Leu
			85						90					95	

<210> 5899

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

5187

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5899

Leu Xaa His Pro Phe Ala Val Thr Ser Tyr Gly Lys Asn Leu Tyr Phe
1 5 10 15

Thr Asp Trp Lys Met Asn Ser Val Val Ala Leu Asp Leu Ala Ile Ser
20 25 30

Lys Glu Thr Asp Ala Phe Gln Pro His Lys Gln Thr Arg Leu Tyr Gly
35 40 45

Ile Thr Thr Ala Leu Ser Gln Cys Pro Gln Gly His Asn Tyr Cys Ser
50 55 60

Val Asn Asn Gly Gly Cys Thr His Leu Cys Leu Ala Thr Pro Gly Ser
65 70 75 80

Arg Thr Cys Arg Cys Pro Asp Asn Thr Leu Gly Val Asp Cys Ile Glu
85 90 95

Gln Lys

<210> 5900

<211> 48

<212> PRT

<213> Homo sapiens

<400> 5900

Glu Ile Ser Ala Phe Leu Ile Ser Ser Asn Tyr Lys Arg Thr Ala Val
1 5 10 15

Phe Phe His Thr His Leu Pro Glu Gly Arg Ile Gly Ser His Ile Tyr
20 25 30

Val Tyr Glu Arg Lys Leu Lys Gly Lys Phe Asn Met Lys Met Lys Phe
35 40 45

<210> 5901

<211> 87

<212> PRT

<213> Homo sapiens

5188

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5901

Ser	Ser	Leu	Gly	Lys	Leu	Asp	His	Gln	Xaa	Phe	Ser	Leu	Asp	Arg	Val
1				5					10					15	

Ser	Leu	Val	Asn	Lys	Gly	Asp	Thr	Gly	Asn	Pro	Glu	Trp	Thr	Val	Ile
			20					25					30		

Cys	Val	Gly	Xaa	His	Ser	Gly	Ser	Gly	Ala	Ser	Asp	Thr	Leu	Xaa	Pro
		35					40					45			

Lys	Thr	Ala	Pro	Ser	Phe	Arg	Leu	Ala	Tyr	Glu	Met	Met	Phe	Met	Cys
	50					55					60				

Phe	Leu	Glu	Thr	Arg	Trp	Lys	Glu	Arg	Gly	Arg	Ile	Asn	Phe	Leu	Ile
65					70					75					80

Leu	Leu	Leu	Leu	Asn	Val	Met
				85		

<210> 5902

<211> 83

<212> PRT

<213> Homo sapiens

<400> 5902

Leu	Asn	Trp	Leu	Leu	Gln	Gly	Glu	Gly	Gln	Lys	Ala	Arg	Pro	Ser	Ala
1				5					10					15	

Leu	Glu	Ser	Arg	Pro	Glu	Val	Ser	Gly	Lys	Leu	Thr	Leu	Lys	Met	Asp
			20					25				30			

Thr	Pro	Gln	Pro	Ala	Leu	Pro	Phe	Gly	Leu	Pro	Arg	Ile	Ser	Phe	Ser
		35					40					45			

5189

Gly Cys Ser His Thr Cys Ala Ile Thr Ser Ser Ser Met Thr Trp Thr
 50 55 60

Gly Thr Ser Leu Thr Ile Pro Ile Gly Ile Thr Arg Ala Thr Asn Tyr
 65 70 75 80

Ala Val Phe

<210> 5903

<211> 269

<212> PRT

<213> Homo sapiens

<400> 5903

Arg Arg Cys Cys His Ser Ala Thr Met Phe Glu Ala Arg Leu Val Gln
 1 5 10 15

Gly Ser Ile Leu Lys Lys Val Leu Glu Ala Leu Lys Asp Leu Ile Asn
 20 25 30

Glu Ala Cys Trp Asp Ile Ser Ser Ser Gly Val Asn Leu Gln Ser Met
 35 40 45

Asp Ser Ser His Val Ser Leu Val Gln Leu Thr Leu Arg Ser Glu Gly
 50 55 60

Phe Asp Thr Tyr Arg Cys Asp Arg Asn Leu Ala Met Gly Val Asn Leu
 65 70 75 80

Thr Ser Met Ser Lys Ile Leu Lys Cys Ala Gly Asn Glu Asp Ile Ile
 85 90 95

Thr Leu Arg Ala Glu Asp Asn Ala Asp Thr Leu Ala Leu Val Phe Glu
 100 105 110

Ala Pro Asn Gln Glu Lys Val Ser Asp Tyr Glu Met Lys Leu Met Asp
 115 120 125

Leu Asp Val Glu Gln Leu Gly Ile Pro Glu Gln Glu Tyr Ser Cys Val
 130 135 140

Val Lys Met Pro Ser Gly Glu Phe Ala Arg Ile Cys Arg Asp Leu Ser
 145 150 155 160

His Ile Gly Asp Ala Val Val Ile Ser Cys Ala Lys Asp Gly Val Lys
 165 170 175

Phe Ser Ala Ser Gly Glu Leu Gly Asn Gly Asn Ile Lys Leu Ser Gln

5190

180	185	190
Thr Ser Asn Val Asp Lys Glu Glu Glu Ala Val Thr Ile Glu Met Asn		
195	200	205
Glu Pro Val Gln Leu Thr Phe Ala Leu Arg Tyr Leu Asn Phe Phe Thr		
210	215	220
Lys Ala Thr Pro Leu Ser Ser Thr Val Thr Leu Ser Met Ser Ala Asp		
225	230	235
Val Pro Leu Val Val Glu Tyr Lys Ile Ala Asp Met Gly His Leu Lys		
245	250	255
Tyr Tyr Leu Ala Pro Lys Ile Glu Asp Glu Glu Gly Ser		
260	265	

<210> 5904
 <211> 211
 <212> PRT
 <213> Homo sapiens

<400> 5904
 Asn Lys Met Lys Lys Val Arg Leu Lys Glu Leu Glu Ser Arg Leu Gln
 1 5 10 15
 Gln Val Asp Gly Phe Glu Lys Pro Lys Leu Leu Leu Glu Gln Tyr Pro
 20 25 30
 Thr Arg Pro His Ile Ala Ala Cys Met Leu Tyr Thr Ile His Asn Thr
 35 40 45
 Tyr Asp Asp Ile Glu Asn Lys Val Val Ala Asp Leu Gly Cys Gly Cys
 50 55 60
 Gly Val Leu Ser Ile Gly Thr Ala Met Leu Gly Ala Gly Leu Cys Val
 65 70 75 80
 Gly Phe Asp Ile Asp Glu Asp Ala Leu Glu Ile Phe Asn Arg Asn Ala
 85 90 95
 Glu Glu Phe Glu Leu Thr Asn Ile Asp Met Val Gln Cys Asp Val Cys
 100 105 110
 Leu Leu Ser Asn Arg Met Ser Lys Ser Phe Asp Thr Val Ile Met Asn
 115 120 125
 Pro Pro Phe Gly Thr Lys Asn Asn Lys Gly Thr Asp Met Ala Phe Leu
 130 135 140

5191

Lys Thr Ala Leu Glu Met Ala Arg Thr Ala Val Tyr Ser Leu His Lys
 145 150 155 160

Ser Ser Thr Arg Glu His Val Gln Lys Lys Ala Ala Glu Trp Lys Ile
 165 170 175

Lys Ile Asp Ile Ile Ala Glu Leu Arg Tyr Asp Leu Pro Ala Ser Tyr
 180 185 190

Lys Phe His Lys Lys Lys Ser Val Asp Ile Glu Val Asp Leu Ile Arg
 195 200 205

Phe Ser Phe
 210

<210> 5905
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 5905

Lys Phe Leu Leu Lys Val Asn Phe Pro Glu Asn Gly Phe Leu Ser Pro
 1 5 10 15

Asp Lys Leu Ser Leu Leu Glu Lys Leu Leu Pro Glu Arg Lys Glu Val
 20 25 30

Glu Glu Thr Asp Glu Met Asp Gln Val Glu Leu Val Asp Phe Asp Pro
 35 40 45

Asn Gln Glu Arg Arg Arg His Tyr Asn Gly Glu Ala Tyr Glu Asp Asp
 50 55 60

Glu His His Pro Arg Gly Gly Val Gln Cys Gln Thr Ser
 65 70 75

<210> 5906
 <211> 142
 <212> PRT
 <213> Homo sapiens

<400> 5906

Ser Trp Glu Thr Glu Lys Met Gln Thr Ala Gly Ala Leu Phe Ile Ser
 1 5 10 15

Pro Ala Leu Ile Arg Cys Cys Thr Arg Gly Leu Ile Arg Pro Val Ser

5192

20	25	30
Ala Ser Phe Leu Asn Ser Pro Val Asn Ser Ser Lys Gln Pro Ser Tyr		
35	40	45
Ser Asn Phe Pro Leu Gln Val Ala Arg Arg Glu Phe Gln Thr Ser Val		
50	55	60
Val Ser Arg Asp Ile Asp Thr Ala Ala Lys Phe Ile Gly Ala Gly Ala		
65	70	75
Ala Thr Val Gly Val Ala Gly Ser Gly Ala Gly Ile Gly Thr Val Phe		
85	90	95
Gly Ser Leu Ile Ile Gly Tyr Ala Arg Asn Pro Ser Leu Lys Gln Gln		
100	105	110
Leu Phe Ser Tyr Ala Ile Leu Gly Phe Ala Leu Ser Glu Ala Met Gly		
115	120	125
Leu Phe Cys Leu Met Val Ala Phe Leu Ile Leu Phe Ala Met		
130	135	140

<210> 5907

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5907

Thr Cys Pro Phe Leu Gln Glu Phe Ser Leu Gly Met Trp Ser Cys Leu
1 5 10 15
His Ala Val Leu Glu Leu Ile Asp Ser Gln Gln Gln Asp Arg Tyr Trp
20 25 30
Cys Pro Pro Xaa Leu His Arg Ala Ala Ile Ala Phe Leu His Ala Leu
35 40 45
Trp Gln Asp Arg Arg Asp Ser Ala Met Leu Val Leu Arg Thr Lys
50 55 60

<210> 5908

5193

<211> 61

<212> PRT

<213> Homo sapiens

<400> 5908

Arg Asn Lys Gly Val Arg Ala Asn Ile Gln Gln Leu Leu Ser Pro Val
 1 5 10 15

Met Lys Phe Ile Gln Thr Lys Asp Gly Met Ser Leu Tyr Ile Ile Pro
 20 25 30

Cys Asn Lys Tyr Ser Val Lys Leu Cys Trp Cys Asn Leu Thr Cys Phe
 35 40 45

Cys Gln Ser Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 50 55 60

<210> 5909

<211> 466

<212> PRT

<213> Homo sapiens

<400> 5909

Val Ser Pro Arg Ala Gly Gly Ala Gly Asn Asn Arg Gly Arg Ala His
 1 5 10 15

Arg Ala Ser Ser Cys Ser Leu Pro Ala Pro Pro Ala Thr Leu Asp Pro
 20 25 30

Arg Ile Pro Pro Ala Arg Leu Pro Ala Met Ala Asp Lys Glu Ala Ala
 35 40 45

Phe Asp Asp Ala Val Glu Glu Arg Val Ile Asn Glu Glu Tyr Lys Ile
 50 55 60

Trp Lys Lys Asn Thr Pro Phe Leu Tyr Asp Leu Val Met Thr His Ala
 65 70 75 80

Leu Glu Trp Pro Ser Leu Thr Ala Gln Trp Leu Pro Asp Val Thr Arg
 85 90 95

Pro Glu Gly Lys Asp Phe Ser Ile His Arg Leu Val Leu Gly Thr His
 100 105 110

Thr Ser Asp Glu Gln Asn His Leu Val Ile Ala Ser Val Gln Leu Pro
 115 120 125

Asn Asp Asp Ala Gln Phe Asp Ala Ser His Tyr Asp Ser Glu Lys Gly
 130 135 140

5194

Glu Phe Gly Gly Phe Gly Ser Val Ser Gly Lys Ile Glu Ile Glu Ile
 145 150 155 160
 Lys Ile Asn His Glu Gly Glu Val Asn Arg Ala Arg Tyr Met Pro Gln
 165 170 175
 Asn Pro Cys Ile Ile Ala Thr Lys Thr Pro Ser Ser Asp Val Leu Val
 180 185 190
 Phe Asp Tyr Thr Lys His Pro Ser Lys Pro Asp Pro Ser Gly Glu Cys
 195 200 205
 Asn Pro Asp Leu Arg Leu Arg Gly His Gln Lys Glu Gly Tyr Gly Leu
 210 215 220
 Ser Trp Asn Pro Asn Leu Ser Gly His Leu Leu Ser Ala Ser Asp Asp
 225 230 235 240
 His Thr Ile Cys Leu Trp Asp Ile Ser Ala Val Pro Lys Glu Gly Lys
 245 250 255
 Val Val Asp Ala Lys Thr Ile Phe Thr Gly His Thr Ala Val Val Glu
 260 265 270
 Asp Val Ser Trp His Leu Leu His Glu Ser Leu Phe Gly Ser Val Ala
 275 280 285
 Asp Asp Gln Lys Leu Met Ile Trp Asp Thr Arg Ser Asn Asn Thr Ser
 290 295 300
 Lys Pro Ser His Ser Val Asp Ala His Thr Ala Glu Val Asn Cys Leu
 305 310 315 320
 Ser Phe Asn Pro Tyr Ser Glu Phe Ile Leu Ala Thr Gly Ser Ala Asp
 325 330 335
 Lys Thr Val Ala Leu Trp Asp Leu Arg Asn Leu Lys Leu Lys Leu His
 340 345 350
 Ser Phe Glu Ser His Lys Asp Glu Ile Phe Gln Val Gln Trp Ser Pro
 355 360 365
 His Asn Glu Thr Ile Leu Ala Ser Ser Gly Thr Asp Arg Arg Leu Asn
 370 375 380
 Val Trp Asp Leu Ser Lys Ile Gly Glu Glu Gln Ser Pro Glu Asp Ala
 385 390 395 400
 Glu Asp Gly Pro Pro Glu Leu Leu Phe Ile His Gly Gly His Thr Ala
 405 410 415

5195

Lys Ile Ser Asp Phe Ser Trp Asn Pro Asn Glu Pro Trp Val Ile Cys
 420 425 430

Ser Val Ser Glu Asp Asn Ile Met Gln Val Trp Gln Met Ala Glu Asn
 435 440 445

Ile Tyr Asn Asp Glu Asp Pro Glu Gly Ser Val Asp Pro Glu Gly Gln
 450 455 460

Gly Ser
 465

<210> 5910

<211> 67

<212> PRT

<213> Homo sapiens

<400> 5910

Leu Leu Pro His Pro Phe Ser Cys Val His Val Ala Phe Ser Asn Pro
 1 5 10 15

Gly Gln Trp Phe Leu Pro Arg Pro Cys Thr Glu Ala Gly Cys Leu Pro
 20 25 30

Asp Pro Arg Arg Val Arg Glu Gly Arg Gly Ile Leu Leu Leu Glu Leu
 35 40 45

Gln Ala Leu Ala Glu Ala Val Ser His Thr Val Val Ser Ser Ala Trp
 50 55 60

Ala Gly Thr
 65

<210> 5911

<211> 212

<212> PRT

<213> Homo sapiens

<400> 5911

Glu Ile Ile Thr Asp Arg Gln Ser Gly Lys Lys Arg Gly Phe Gly Phe
 1 5 10 15

Val Thr Phe Asp Asp His Asp Pro Val Asp Lys Ile Val Leu Gln Lys
 20 25 30

Tyr His Thr Ile Asn Gly His Asn Ala Glu Val Arg Lys Ala Leu Ser

5196

35	40	45
Arg Gln Glu Met Gln Glu Val Gln Ser Ser Arg Ser Gly Arg Gly Gly		
50	55	60
Asn Phe Gly Phe Gly Asp Ser Arg Gly Gly Gly Gly Asn Phe Gly Pro		
65	70	75
Gly Pro Gly Ser Asn Phe Arg Gly Gly Ser Asp Gly Tyr Gly Ser Gly		
85	90	95
Arg Gly Phe Gly Asp Gly Tyr Asn Gly Tyr Gly Gly Gly Gly Pro Gly Gly		
100	105	110
Gly Asn Phe Gly Gly Ser Pro Gly Tyr Gly Gly Gly Gly Arg Gly Gly Tyr		
115	120	125
Gly Gly Gly Gly Pro Gly Tyr Gly Asn Gln Gly Gly Gly Tyr Gly Gly		
130	135	140
Gly Tyr Asp Asn Tyr Gly Gly Gly Asn Tyr Gly Ser Gly Asn Tyr Asn		
145	150	155
Asp Phe Gly Asn Tyr Asn Gln Gln Pro Ser Asn Tyr Gly Pro Met Lys		
165	170	175
Ser Gly Asn Phe Gly Gly Ser Arg Asn Met Gly Gly Pro Tyr Gly Gly		
180	185	190
Gly Asn Tyr Gly Pro Gly Gly Ser Gly Gly Ser Gly Gly Tyr Gly Gly		
195	200	205
Arg Ser Arg Tyr		
210		

<210> 5912

<211> 385

<212> PRT

<213> Homo sapiens

<400> 5912

His Leu Glu Pro Ala Gln Leu Val Ser Lys Lys His Lys Leu Arg Ser		
1	5	10
Gln Lys Arg Pro Arg Arg Cys Leu Trp Leu His Gln Ser Ser Arg Arg		
20	25	30
Thr Trp Leu Gly Pro Arg Arg Gly His Pro Leu Cys Arg Cys Pro Pro		
35	40	45

5197

Arg Arg Pro Trp Leu Trp Leu Asp Arg Ser Gln Lys Leu Thr Ser Ser
 50 55 60

Ala Ser Ser Pro Ser Gln Pro Tyr Ser Val Gln Pro Leu His Leu Pro
 65 70 75 80

Asp Gly Trp Ala Asp Pro Ala Gly Leu Arg Leu Arg Gly Val Phe Leu
 85 90 95

Cys Leu Pro Arg Val Leu Gln Arg Arg Cys Pro Pro Gly Val Pro Asn
 100 105 110

Thr Ser Arg Ala Val Gln Glu Ala Ser Gly Arg Gly Arg Ala Ala Arg
 115 120 125

His Arg Asn Ser Leu Gln Arg Pro Cys Ser Arg Ser Gln Ser Pro Gly
 130 135 140

Gly Glu Glu Gly Met Ala Arg Ala Tyr Ala Val Val Cys Asp Cys Lys
 145 150 155 160

Leu Phe Leu Tyr Asp Leu Pro Glu Gly Lys Ser Thr Gln Pro Gly Val
 165 170 175

Ile Ala Ser Gln Val Leu Asp Leu Arg Asp Asp Glu Phe Ser Val Ser
 180 185 190

Ser Val Leu Ala Ser Asp Val Ile His Ala Thr Arg Arg Asp Ile Pro
 195 200 205

Cys Ile Phe Arg Val Thr Ala Ser Leu Leu Gly Ala Pro Ser Lys Thr
 210 215 220

Ser Ser Leu Leu Ile Leu Thr Glu Asn Glu Asn Glu Lys Arg Lys Trp
 225 230 235 240

Val Gly Ile Leu Glu Gly Leu Gln Ser Ile Leu His Lys Asn Arg Leu
 245 250 255

Arg Asn Gln Val Val His Val Pro Leu Glu Ala Tyr Asp Ser Ser Leu
 260 265 270

Pro Leu Ile Lys Ala Ile Leu Thr Ala Ala Ile Val Asp Ala Asp Arg
 275 280 285

Ile Ala Val Gly Leu Glu Glu Gly Leu Tyr Val Ile Glu Val Thr Arg
 290 295 300

Asp Val Ile Val Arg Ala Ala Asp Cys Lys Lys Val His Gln Ile Glu
 305 310 315 320

5198

Leu Ala Pro Arg Glu Lys Ile Val Ile Leu Leu Cys Gly Arg Asn His
 325 330 335

His Val His Leu Tyr Pro Trp Ser Ser Leu Asp Gly Ala Glu Gly Ser
 340 345 350

Phe Asp Ile Lys Leu Pro Glu Thr Lys Gly Cys Gln Leu Met Ala Thr
 355 360 365

Ala Thr Leu Lys Arg Asn Ser Gly Thr Cys Leu Phe Val Ala Val Lys
 370 375 380

Arg
 385

<210> 5913
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 5913
 Thr Gln Ser Lys Trp Arg Leu Glu Val Gln Cys Gly Lys Glu Lys Gln
 1 5 10 15

Val Phe Ile Glu Ser Thr Asn Ser Thr Pro Phe Ile Asp Thr Glu Asn
 20 25 30

Val Glu Asn Pro Lys Phe Asp
 35

<210> 5914
 <211> 321
 <212> PRT
 <213> Homo sapiens

<400> 5914
 Glu Arg Thr Leu Gly Gln Pro Gly Phe Leu Gly Cys Pro Arg Gln Pro
 1 5 10 15

His Thr Ala Met His Tyr Pro Thr Ala Leu Leu Phe Leu Ile Leu Ala
 20 25 30

Asn Gly Ala Gln Ala Phe Arg Ile Cys Ala Phe Asn Ala Gln Arg Leu
 35 40 45

Thr Leu Ala Lys Val Ala Arg Glu Gln Val Met Asp Thr Leu Val Arg

5199

50		55		60															
Ile	Leu	Ala	Arg	Cys	Asp	Ile	Met	Val	Leu	Gln	Glu	Val	Val	Asp	Ser				
65					70					75					80				
Ser	Gly	Ser	Ala	Ile	Pro	Leu	Leu	Leu	Arg	Glu	Leu	Asn	Arg	Phe	Asp				
				85					90					95					
Gly	Ser	Gly	Pro	Tyr	Ser	Thr	Leu	Ser	Ser	Pro	Gln	Leu	Gly	Arg	Ser				
			100					105					110						
Thr	Tyr	Met	Glu	Thr	Tyr	Val	Tyr	Phe	Tyr	Arg	Ser	His	Lys	Thr	Gln				
		115						120				125							
Val	Leu	Ser	Ser	Tyr	Val	Tyr	Asn	Asp	Glu	Asp	Asp	Val	Phe	Ala	Arg				
	130						135				140								
Glu	Pro	Phe	Val	Ala	Gln	Phe	Ser	Leu	Pro	Ser	Asn	Val	Leu	Pro	Ser				
145					150					155				160					
Leu	Val	Leu	Val	Pro	Leu	His	Thr	Thr	Pro	Lys	Ala	Val	Glu	Lys	Glu				
				165					170					175					
Leu	Asn	Ala	Leu	Tyr	Asp	Val	Phe	Leu	Glu	Val	Ser	Gln	His	Trp	Gln				
			180					185					190						
Ser	Lys	Asp	Val	Ile	Leu	Leu	Gly	Asp	Phe	Asn	Ala	Asp	Cys	Ala	Ser				
	195						200					205							
Leu	Thr	Lys	Lys	Arg	Leu	Asp	Lys	Leu	Glu	Leu	Arg	Thr	Glu	Pro	Gly				
	210					215					220								
Phe	His	Trp	Val	Ile	Ala	Asp	Gly	Glu	Asp	Thr	Thr	Val	Arg	Ala	Ser				
225					230					235				240					
Thr	His	Cys	Thr	Tyr	Asp	Arg	Val	Val	Leu	His	Gly	Glu	Arg	Cys	Arg				
				245					250					255					
Ser	Leu	Leu	His	Thr	Ala	Ala	Ala	Phe	Asp	Phe	Pro	Thr	Ser	Phe	Gln				
			260					265					270						
Leu	Thr	Glu	Glu	Glu	Ala	Leu	Asn	Ile	Ser	Asp	His	Tyr	Pro	Val	Glu				
	275						280				285								
Val	Glu	Leu	Lys	Leu	Ser	Gln	Ala	His	Ser	Val	Gln	Pro	Leu	Ser	Leu				
	290					295					300								
Thr	Val	Leu	Leu	Leu	Leu	Ser	Leu	Leu	Ser	Pro	Gln	Leu	Cys	Pro	Ala				
305					310					315				320					
Ala																			

5200

<210> 5915

<211> 38

<212> PRT

<213> Homo sapiens

<400> 5915

Phe	Ser	Cys	Leu	Ser	Leu	Pro	Ser	Ser	Trp	Glu	Asn	Arg	Pro	Val	Pro
1				5					10					15	

Pro	His	Arg	Ser	Ser	Phe	Cys	Ile	Phe	Ser	Arg	Asp	Gly	Val	Ser	Pro
			20					25					30		

Cys	Trp	Pro	Gly	Trp	Ser
				35	

<210> 5916

<211> 359

<212> PRT

<213> Homo sapiens

<400> 5916

Ile	Asn	Leu	Glu	Glu	Val	Gly	Thr	Ile	Cys	Leu	Gly	Phe	Phe	Lys	Ser
1				5					10					15	

Ser	Thr	Asn	Leu	Ser	Glu	Phe	Val	Met	Arg	Lys	Ile	Gly	Asp	Leu	Ala
			20					25					30		

Cys	Ala	Asn	Ile	Gln	His	Leu	Ser	Ser	Arg	Ser	Leu	Val	Asn	Ile	Val
		35					40					45			

Lys	Met	Phe	Arg	Phe	Thr	His	Val	Asp	His	Ile	Asn	Phe	Met	Lys	Gln
	50					55					60				

Ile	Gly	Glu	Ile	Ala	Pro	Gln	Arg	Ile	Pro	Ser	Leu	Gly	Val	Gln	Gly
65					70					75					80

Val	Met	His	Leu	Thr	Leu	Tyr	Cys	Ser	Ala	Leu	Arg	Phe	Leu	Asn	Glu
			85						90					95	

Gly	Val	Met	Asn	Ala	Val	Ala	Ala	Ser	Leu	Pro	Pro	Arg	Val	Ala	His
			100					105					110		

Cys	Arg	Ser	Lys	Asp	Val	Ala	Lys	Ile	Leu	Trp	Ser	Phe	Gly	Thr	Leu
			115				120					125			

5201

Asn Tyr Lys Pro Pro Asn Ala Glu Glu Phe Tyr Ser Ser Leu Ile Ser
 130 135 140
 Glu Ile His Arg Lys Met Pro Glu Phe Asn Gln Tyr Pro Glu His Leu
 145 150 155 160
 Pro Thr Cys Leu Leu Gly Leu Ala Phe Leu Glu Tyr Phe Pro Val Glu
 165 170 175
 Leu Ile Asp Phe Ala Leu Ser Pro Gly Phe Val Arg Leu Ala Gln Glu
 180 185 190
 Arg Thr Lys Phe Asp Leu Leu Lys Glu Leu Tyr Thr Leu Asp Gly Thr
 195 200 205
 Val Gly Ile Glu Cys Pro Asp Tyr Arg Gly Asn Arg Leu Ser Thr His
 210 215 220
 Leu Gln Gln Glu Gly Ser Glu Leu Leu Trp Tyr Leu Ala Glu Lys Asp
 225 230 235 240
 Met Asn Ser Lys Pro Glu Phe Leu Glu Thr Val Phe Leu Leu Glu Thr
 245 250 255
 Met Leu Gly Gly Pro Gln Tyr Val Lys His His Met Ile Leu Pro His
 260 265 270
 Thr Arg Ser Ser Asp Leu Glu Val Gln Leu Asp Val Asn Leu Lys Pro
 275 280 285
 Leu Pro Phe Asn Arg Glu Ala Thr Pro Ala Glu Asn Val Ala Lys Leu
 290 295 300
 Arg Leu Glu His Val Gly Val Ser Leu Thr Asp Asp Leu Met Asn Lys
 305 310 315 320
 Leu Leu Lys Gly Lys Ala Arg Gly His Phe Gln Gly Lys Thr Glu Ser
 325 330 335
 Glu Pro Gly Gln Gln Pro Trp Ser Trp Arg Ile Arg Gln Leu Tyr Leu
 340 345 350
 Trp Gly Ala Ser Phe Ala Met
 355

<210> 5917

<211> 82

<212> PRT

<213> Homo sapiens

5202

<400> 5917

Phe Gly Leu Phe Cys Thr Leu Tyr Lys Trp Thr His Ile Met Phe Ile
 1 5 10 15

Phe Trp Val Cys Leu Leu Ser Phe Asn Ile Arg Phe Val Gly Ser Ser
 20 25 30

Leu Leu Cys Val Val Leu Ser Cys Ser Leu Tyr Ser Val Pro Lys Tyr
 35 40 45

Ser Ile Leu Gln Phe Thr His Ser Thr Leu Asp Ser Lys Cys Phe His
 50 55 60

Ile Trp Ala Ile Thr Asn Ser Ala Ala Val Asn Ile His Ile His Ile
 65 70 75 80

Phe Trp

<210> 5918

<211> 111

<212> PRT

<213> Homo sapiens

<400> 5918

Ala Phe Leu Pro Ala Gly Pro Ser Gly Phe Pro Ser Gly Pro Gly Cys
 1 5 10 15

Val Trp Lys Cys His Leu Gly Ala Arg Ala Trp Met Ser Ala Ser Gly
 20 25 30

Leu Cys Leu Ala Pro Tyr Pro Thr Val Ala Glu Leu Val Tyr Lys Leu
 35 40 45

Gln Asp Ser Leu Leu Tyr Ser Ser Ser Ser Ser Pro Val Ala Glu Arg
 50 55 60

Arg Asn Leu Ser Gln Ser Cys Glu Leu Tyr Cys Leu Gly Leu Gly Glu
 65 70 75 80

Gly Trp His Lys His Ser Leu Ser His Pro Gly Trp Cys Leu Thr Asn
 85 90 95

Leu Cys Ala Pro Gln Val His Trp Leu Gln Gly Gln Arg Ser Thr
 100 105 110

5203

<210> 5919

<211> 441

<212> PRT

<213> Homo sapiens

<400> 5919

Arg	Arg	Arg	Arg	Ala	Cys	Arg	Ser	Ala	Glu	Gly	Thr	Gly	Leu	Arg	Ser
1				5					10					15	

Leu	Leu	Leu	Pro	Pro	Arg	Leu	Gln	Leu	Pro	Ala	Gly	Pro	Phe	Ser	Arg
			20				25						30		

Cys	Arg	Trp	Asp	Pro	Val	Ser	Ser	Pro	Arg	Pro	Ser	Thr	Met	Pro	Pro
		35					40					45			

Lys	Lys	Gly	Gly	Asp	Gly	Ile	Lys	Pro	Pro	Pro	Ile	Ile	Gly	Arg	Phe
	50					55					60				

Gly	Thr	Ser	Leu	Lys	Ile	Gly	Ile	Val	Gly	Leu	Pro	Asn	Val	Gly	Lys
65					70					75					80

Ser	Thr	Phe	Phe	Asn	Val	Leu	Thr	Asn	Ser	Gln	Ala	Ser	Ala	Glu	Asn
				85				90						95	

Phe	Pro	Phe	Cys	Thr	Ile	Asp	Pro	Asn	Glu	Ser	Arg	Val	Pro	Val	Pro
			100					105					110		

Asp	Glu	Arg	Phe	Asp	Phe	Leu	Cys	Gln	Tyr	His	Lys	Pro	Ala	Ser	Lys
		115					120					125			

Ile	Pro	Ala	Phe	Leu	Asn	Val	Val	Asp	Ile	Ala	Gly	Leu	Val	Lys	Gly
	130					135					140				

Ala	His	Asn	Gly	Gln	Gly	Leu	Gly	Asn	Ala	Phe	Leu	Ser	His	Ile	Ser
145					150				155						160

Ala	Cys	Asp	Gly	Ile	Phe	His	Leu	Thr	Arg	Ala	Phe	Glu	Asp	Asp	Asp
				165					170					175	

Ile	Thr	His	Val	Glu	Gly	Ser	Val	Asp	Pro	Ile	Arg	Asp	Ile	Glu	Ile
		180						185					190		

Ile	His	Glu	Glu	Leu	Gln	Leu	Lys	Asp	Glu	Glu	Met	Ile	Gly	Pro	Ile
		195					200					205			

Ile	Asp	Lys	Leu	Glu	Lys	Val	Ala	Val	Arg	Gly	Gly	Asp	Lys	Lys	Leu
	210					215					220				

Lys	Pro	Glu	Tyr	Asp	Ile	Met	Cys	Lys	Val	Lys	Ser	Trp	Val	Ile	Asp
225					230					235					240

5204

Gln Lys Lys Pro Val Arg Phe Tyr His Asp Trp Asn Asp Lys Glu Ile
245 250 255

Glu Val Leu Asn Lys His Leu Phe Leu Thr Ser Lys Pro Met Val Tyr
260 265 270

Leu Val Asn Leu Ser Glu Lys Asp Tyr Ile Arg Lys Lys Asn Lys Trp
275 280 285

Leu Ile Lys Ile Lys Glu Trp Val Asp Lys Tyr Asp Pro Gly Ala Leu
290 295 300

Val	Ile	Pro	Phe	Ser	Gly	Ala	Leu	Glu	Leu	Lys	Leu	Gln	Glu	Leu	Ser
305					310					315					320

Ala Glu Glu Arg Gln Lys Tyr Leu Glu Ala Asn Met Thr Gln Ser Ala
325 330 335

Leu Pro Lys Ile Ile Lys Ala Gly Phe Ala Ala Leu Gln Leu Glu Tyr
340 345 350

Phe Phe Thr Ala Gly Pro Asp Glu Val Arg Ala Trp Thr Ile Arg Lys
355 360 365

Gly Thr Lys Ala Pro Gln Ala Ala Gly Lys Ile His Thr Asp Phe Glu
370 375 380

Lys Gly Phe Ile Met Ala Glu Val Met Lys Tyr Glu Asp Phe Lys Glu
385 390 395 400

Glu Gly Ser Glu Asn Ala Val Lys Ala Ala Gly Lys Tyr Arg Gln Gln
405 410 415

Gly Arg Asn Tyr Ile Val Glu Asp Gly Asp Ile Ile Phe Phe Lys Phe
420 425 430

Asn Thr Pro Gln Gln Pro Lys Lys Lys
435 440

<210> 5920

<211> 275

<212> PRT

<213> Homo sapiens

<400> 5920

Gly Val Ala Leu Phe Lys Ser Ala Ala Gly Asp Gln Pro Thr Ala Ala
1 5 10 15

Cys Ile Cys Ile Gln Arg Gln Val Pro Pro Val Pro Ala Ala Arg Ala

5205

[illegible]

5206

<210> 5921

<211> 115

<212> PRT

<213> Homo sapiens

<400> 5921

Val Gly Cys Arg Pro Leu Ser Ser Cys His Leu Leu Ala Val Ala Arg
1 5 10 15

Ser Tyr Phe Ser Leu Ser Gly Val Ile Cys Ile Trp Arg Phe His Cys
20 25 30

Cys Phe Ser Leu Ser Tyr Leu Glu Trp Asn Pro Glu Ser Cys Pro Phe
35 40 45

Pro Pro Thr Cys Ser Tyr Leu Lys Ala Pro Glu Thr Tyr Trp Val Pro
50 55 60

Asp Ser Cys Phe Val Cys Ile Arg Arg Val Val Ala Cys His Leu Ala
65 70 75 80

Cys Phe Leu Asn Asn Pro Thr Ser Cys Pro Pro Cys Thr Tyr Ile Ala
85 90 95

Thr Ala Leu Ile Trp Ala Phe Phe Phe Leu Gly Gln Cys Leu Cys Pro
100 105 110

Asn Ser Glu
115

<210> 5922

<211> 291

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (217)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5922

His Gly Leu Cys Arg Leu Phe Asn Ser Pro Leu Lys Pro Leu Ala Asp
1 5 10 15

5207

Leu Asp Pro Val Val Val Thr Phe Trp Tyr Arg Ala Pro Glu Leu Leu
 20 25 30

Leu Gly Ala Arg His Tyr Thr Lys Ala Ile Asp Ile Trp Ala Ile Gly
 35 40 45

Cys Ile Phe Ala Glu Leu Leu Thr Ser Glu Pro Xaa Phe His Cys Arg
 50 55 60

Gln Glu Asp Ile Lys Thr Ser Asn Pro Tyr His His Asp Gln Leu Asp
 65 70 75 80

Arg Ile Phe Asn Val Met Gly Phe Pro Ala Asp Lys Asp Trp Glu Asp
 85 90 95

Ile Lys Lys Met Pro Glu His Ser Thr Leu Met Lys Asp Phe Arg Arg
 100 105 110

Asn Thr Tyr Thr Asn Cys Ser Leu Ile Lys Tyr Met Glu Lys His Lys
 115 120 125

Val Lys Pro Asp Ser Lys Ala Phe His Leu Leu Gln Lys Leu Leu Thr
 130 135 140

Met Asp Pro Ile Lys Arg Ile Thr Ser Glu Gln Ala Met Gln Asp Pro
 145 150 155 160

Tyr Phe Leu Glu Asp Pro Leu Pro Thr Ser Asp Val Phe Ala Gly Cys
 165 170 175

Gln Ile Pro Tyr Pro Lys Arg Glu Phe Leu Thr Glu Glu Glu Pro Asp
 180 185 190

Asp Lys Gly Asp Lys Lys Asn Gln Gln Gln Gln Gly Asn Asn His
 195 200 205

Thr Asn Gly Thr Gly His Pro Gly Xaa Gln Asp Ser Ser His Thr Gln
 210 215 220

Gly Pro Pro Leu Lys Lys Val Arg Val Val Pro Pro Thr Thr Thr Ser
 225 230 235 240

Gly Gly Leu Ile Met Thr Ser Asp Tyr Gln Arg Ser Asn Pro His Ala
 245 250 255

Ala Tyr Pro Asn Pro Gly Pro Ser Thr Ser Gln Pro Gln Ser Ser Met
 260 265 270

Gly Tyr Ser Ala Thr Ser Gln Gln Pro Pro Gln Tyr Ser His Gln Thr
 275 280 285

5208

His Arg Tyr
290

<210> 5923

<211> 100

<212> PRT

<213> Homo sapiens

<400> 5923

Arg Pro Pro Ser Arg Trp Ser Trp Trp Gln Gly Lys Pro Thr Gly Gly
1 5 10 15

Val Cys Val Ala Ala Ala Arg Ser Ser Pro Ser Val Thr Ala Pro Thr
20 25 30

Ser Ser Asn Ala Leu Ala Tyr Leu His Ser Ser Ser Arg Pro Lys Arg
35 40 45

Pro Ala Trp Trp His Ser Val Pro Ala Arg Pro Leu Arg Gly Pro Arg
50 55 60

Thr Ala Met Ala Pro Thr Gly Val Ser Ala Cys Arg Arg Gln Lys Trp
65 70 75 80

Ala Pro His Ser Glu Gly Ala Ala Ala Val Gln Pro Gln Val Ala Leu
85 90 95

Ala Pro Gly Leu
100

<210> 5924

<211> 241

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5209

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5924

Tyr	Arg	Pro	Gly	Pro	Leu	Thr	Ser	Gln	Gly	Met	Asn	Xaa	Ser	Arg	Gln
1				5					10					15	

Xaa	Pro	Xaa	Leu	Asn	Leu	Leu	Pro	Ser	Ser	Ala	His	Phe	Arg	Pro	Ser
			20					25					30		

Thr	Tyr	Lys	Lys	Ser	Ser	Gly	Pro	Leu	Lys	Ala	Xaa	Lys	Leu	Ile	Ile
		35					40					45			

His	Trp	Asn	Cys	Trp	Glu	Asp	Ser	Leu	Ser	Gly	Ile	Ala	Met	Asn	Val
	50					55					60				

Pro	Ala	Ser	Arg	Gly	Ser	Asn	Leu	Asn	Ser	Ser	Gly	Ala	Asn	Arg	Thr
65					70					75					80

Ser	Leu	Ser	Gly	Gly	Thr	Gly	Ser	Gly	Thr	Gln	Gly	Ala	Thr	Lys	Pro
			85						90					95	

Leu	Ser	Thr	Pro	His	Arg	Pro	Ser	Thr	Ala	Ser	Gly	Ser	Ser	Val	Val
			100					105						110	

Thr	Ala	Ser	Val	Gln	Lys	Leu	Ile	His	Thr	Glu	Asp	Pro	Phe	Asn	Asp
		115					120					125			

Glu	His	Gln	Glu	Arg	Gln	Glu	Val	Glu	Met	Leu	Ala	Lys	Lys	Phe	Glu
	130					135					140				

Met	Lys	Tyr	Tyr	Asp	Glu	Leu	Val	Pro	Ala	Ser	Leu	Thr	Thr	Lys	Tyr
145					150					155					160

Gly	Gly	Phe	Tyr	Ile	Asn	Thr	Gly	Thr	Leu	Gln	Phe	Arg	Gln	Ala	Ser
				165					170					175	

Asp	Thr	Glu	Glu	Asp	Asp	Ile	Thr	Asp	Asn	Gln	Lys	His	Lys	Pro	Pro
		180						185					190		

Lys	Val	Pro	Lys	Ile	Lys	Glu	Asp	Asp	Ile	Glu	Met	Lys	Lys	Arg	Lys
		195					200					205			

Arg	Lys	Glu	Glu	Gly	Glu	Lys	Glu	Lys	Lys	Pro	Arg	Lys	Lys	Val	Pro
		210				215					220				

5210

Lys Gln Leu Gly Val Val Ala Leu Asn Ser His Lys Ser Glu Lys Lys
 225 230 235 240

Lys

<210> 5925

<211> 330

<212> PRT

<213> Homo sapiens

<400> 5925

Ala Gly Ser Arg Cys Pro Ala Trp Arg Ala Arg Ser Ala Cys Arg Trp
 1 5 10 15

Pro Leu Ala Arg Cys Ser Ser Pro Gly Cys Asp Ser Gly Phe Gly Lys
 20 25 30

Glu Thr Ala Lys Lys Leu Asp Ser Met Gly Phe Thr Val Leu Ala Thr
 35 40 45

Val Leu Glu Leu Asn Ser Pro Gly Ala Ile Glu Leu Arg Thr Cys Cys
 50 55 60

Ser Pro Arg Leu Arg Leu Leu Gln Met Asp Leu Thr Lys Pro Gly Asp
 65 70 75 80

Ile Ser Arg Val Leu Glu Phe Thr Lys Ala His Thr Thr Ser Thr Gly
 85 90 95

Leu Trp Gly Leu Val Asn Asn Ala Gly His Asn Glu Val Val Ala Asp
 100 105 110

Ala Glu Leu Ser Pro Val Ala Thr Phe Arg Ser Cys Met Glu Val Asn
 115 120 125

Phe Phe Gly Ala Leu Glu Leu Thr Lys Gly Leu Leu Pro Leu Leu Arg
 130 135 140

Ser Ser Arg Gly Arg Ile Val Thr Val Gly Ser Pro Ala Gly Asp Met
 145 150 155 160

Pro Tyr Pro Cys Leu Gly Ala Tyr Gly Thr Ser Lys Ala Ala Val Ala
 165 170 175

Leu Leu Met Asp Thr Phe Ser Cys Glu Leu Leu Pro Trp Gly Val Lys
 180 185 190

5211

Val Ser Ile Ile Gln Pro Gly Cys Phe Lys Thr Glu Ser Val Arg Asn
 195 200 205
 Val Gly Gln Trp Glu Lys Arg Lys Gln Leu Leu Leu Ala Asn Leu Pro
 210 215 220
 Gln Glu Leu Leu Gln Ala Tyr Gly Lys Asp Tyr Ile Glu His Leu His
 225 230 235 240
 Gly Gln Phe Leu His Ser Leu Arg Leu Ala Met Ser Asp Leu Thr Pro
 245 250 255
 Val Val Asp Ala Ile Thr Asp Ala Leu Leu Ala Ala Arg Pro Arg Arg
 260 265 270
 Arg Tyr Tyr Pro Gly Gln Gly Leu Gly Leu Met Tyr Phe Ile His Tyr
 275 280 285
 Tyr Leu Pro Glu Gly Leu Arg Ala Ala Ser Cys Arg Pro Ser Ser Ser
 290 295 300
 Val Thr Val Cys Leu Glu His Cys Ser Leu Ala Ser Leu Ala Leu Pro
 305 310 315 320
 His His Arg Thr Gln Pro Arg Thr Gln Thr
 325 330

<210> 5926

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5926

Cys Xaa His Met Val Ile Met Cys Asp Trp Ile Met Lys Ile Ile Val

5212

1 5 10 15
 Val Cys Val Gly Thr Arg Asp Cys Pro Val Ser Arg Thr Pro Ala His
 20 25 30
 Tyr Leu Ser Ile Leu Gln Pro Phe Ile Trp Lys Leu Pro Thr Ser Leu
 35 40 45
 Cys Cys Val Cys Leu His Met Xaa Gly Phe Ala Val Leu Ala Leu Thr
 50 55 60
 Ala His Arg Glu Cys Arg Pro His Pro Asn Pro His Gln Leu Pro Leu
 65 70 75 80
 Glu Xaa Gln Asn Leu Gly Trp Gly
 85

<210> 5927

<211> 40

<212> PRT

<213> Homo sapiens

<400> 5927

Arg Tyr His Ile Leu Ser Gly Ile Ser Pro Pro Ala Leu Trp Leu Leu
 1 5 10 15
 Val Glu Arg Leu Phe Gly Tyr Gly Leu Ala Val Glu Lys Ile Gln Val
 20 25 30
 Ile Leu Leu Asn Asp Phe Thr Phe
 35 40

<210> 5928

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5928

Thr Phe Pro Asn Gly Ala Phe Ala Leu Ile Ser Lys Leu Thr Ala Arg
 1 5 10 15
 Asp Ala Phe Leu Tyr Phe Asp Cys Phe Thr Val Glu Gly Gln Ile Pro

5213

	20		25		30	
Arg	Leu	Ser	Lys	Val	Asn	Leu
	35		40		45	
Leu	Phe	Pro	Ala	Glu	Ala	Gln
	50		55		60	
Gly	Lys	His	Gly	Pro	Leu	Gly
	65		70		75	
Thr	Asp	Lys	Arg	Gln	Lys	Thr
	85		90		95	
Lys	Cys	Lys	Ala	Leu	Thr	Val
	100		105		110	

Pro

<210> 5929

<211> 52

<212> PRT

<213> Homo sapiens

<400> 5929

Cys	Ile	Gly	Pro	Lys	Cys	Lys	Leu	His	Trp	Ser	Asp	Leu	Glu	Ala	Phe
1				5					10					15	
Met	Leu	Thr	Ser	Phe	Gly	Lys	Val	Lys	Asn	Asn	Lys	Ile	Ile	Leu	Asp
			20					25					30		
Phe	Ile	Leu	Tyr	Ile	Lys	Ile	Tyr	Leu	Leu	Arg	Lys	Gln	Ser	Val	Tyr
	35						40					45			
Tyr	Leu	Leu	Val												
	50														

<210> 5930

<211> 89

<212> PRT

<213> Homo sapiens

<400> 5930

Ala	Glu	Gln	Glu	Glu	His	Gly	Lys	Arg	Lys	Lys	Lys	Gly	Lys	Gly	Leu
1					5				10						15

5214

Gly Lys Lys Arg Asp Pro Cys Leu Arg Lys Tyr Lys Asp Phe Cys Ile
 20 25 30
 His Gly Glu Cys Lys Tyr Val Lys Glu Leu Arg Ala Pro Ser Cys Ile
 35 40 45
 Cys His Pro Gly Tyr His Gly Glu Arg Cys His Gly Leu Ser Leu Pro
 50 55 60
 Val Glu Asn Arg Leu Tyr Thr Tyr Asp His Thr Thr Ile Leu Ala Val
 65 70 75 80
 Val Ala Val Val Leu Asp Leu Met Ser
 85

<210> 5931

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5931

Glu Ser Pro Thr Ile Val Lys Ala Gly Thr Pro Ala Gly Thr Gly Pro
 1 5 10 15
 Glu Phe Pro Gly Arg Pro Thr Arg Pro Pro Thr Arg Pro Gly Leu Leu
 20 25 30
 Glu Pro Trp Thr Ser Lys Gly Val Glu Ile Ala Ala Ala Pro His Tyr
 35 40 45
 Lys His Leu Gly Leu Glu Ala Thr Glu Tyr His Phe Leu His Ile Leu
 50 55 60
 Leu Xaa Lys Ala Gly Gly Glu Pro Ala Leu Thr Lys Arg Val Gly Asp
 65 70 75 80
 Gln Thr Phe Thr Ser
 85

<210> 5932

<211> 155

<212> PRT

5215

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5932

Glu	Trp	Thr	Glu	Gly	Gln	Thr	Val	Gln	Gly	Arg	Glu	Asp	His	Trp	Gly
1				5					10					15	

Arg	Glu	Val	Thr	Xaa	Arg	Glu	Val	Ser	Val	Gly	Arg	Gly	Glu	Thr	Lys
			20					25					30		

Glu	Lys	Ile	Glu	Glu	Gln	Lys	Ala	Leu	Ala	Leu	Gln	Leu	Gln	Asn	Gln
		35					40					45			

Arg	Leu	Gln	Glu	Arg	Glu	His	Ser	Val	His	Asp	Ser	Val	Glu	Leu	His
	50					55				60					

Leu	Arg	Val	Pro	Leu	Glu	Lys	Glu	Ile	Pro	Val	Thr	Val	Val	Gln	Glu
65					70					75					80

Thr	Gln	Lys	Lys	Gly	His	Lys	Leu	Thr	Asp	Ser	Glu	Asp	Glu	Phe	Pro
				85					90					95	

Glu	Ile	Thr	Glu	Glu	Met	Glu	Lys	Glu	Ile	Lys	Asn	Val	Phe	Arg	Asn
			100					105					110		

Gly	Asn	Gln	Asp	Glu	Val	Leu	Ser	Glu	Ala	Phe	Arg	Leu	Thr	Ile	Thr
		115					120					125			

Arg	Lys	Asp	Ile	Gln	Thr	Leu	Asn	His	Leu	Asn	Trp	Leu	Asn	Asp	Glu
	130					135					140				

Ile	Ile	Asn	Phe	Tyr	Met	Asn	Met	Leu	Met	Gly
145					150					155

<210> 5933

<211> 150

<212> PRT

<213> Homo sapiens

<400> 5933

Gly	Thr	Thr	Thr	Arg	Asp	Phe	Thr	Gln	Leu	Asn	Glu	Leu	Gln	Cys	Arg
1				5					10					15	

Phe	Pro	Arg	Arg	Leu	Val	Val	Leu	Gly	Phe	Pro	Cys	Asn	Gln	Phe	Gly
			20					25					30		

5216

His Gln Glu Asn Cys Gln Asn Glu Glu Ile Leu Asn Ser Leu Lys Tyr
 35 40 45
 Val Arg Pro Gly Gly Gly Tyr Gln Pro Thr Phe Thr Leu Val Gln Lys
 50 55 60
 Cys Glu Val Asn Gly Gln Asn Glu His Pro Val Phe Ala Tyr Leu Lys
 65 70 75 80
 Asp Lys Leu Pro Tyr Pro Tyr Asp Asp Pro Phe Ser Leu Met Thr Asp
 85 90 95
 Pro Lys Leu Ile Ile Trp Ser Pro Val Arg Arg Ser Asp Val Ala Trp
 100 105 110
 Asn Phe Glu Lys Phe Leu Ile Gly Pro Glu Gly Glu Pro Phe Arg Arg
 115 120 125
 Tyr Ser Arg Thr Phe Pro Thr Ile Asn Ile Glu Pro Asp Ile Lys Arg
 130 135 140
 Leu Leu Lys Val Ala Ile
 145 150

<210> 5934

<211> 67

<212> PRT

<213> Homo sapiens

<400> 5934

His Ile Arg Thr Gly Glu Arg Glu Arg Arg Gly Leu Phe Phe Cys Ser
 1 5 10 15
 Ile Phe Gln Ser His Ile Arg Val Ile Leu Asn Cys Asn Lys Asp Gln
 20 25 30
 Leu Leu Lys Ile Ser Leu Leu Lys Ile Gln Asn Asp Leu Ser Ile Leu
 35 40 45
 Lys Ile Ile Tyr Leu Pro Cys Ser Cys Leu Leu Thr Leu Ala Ile Ser
 50 55 60
 Trp Arg Gly
 65

<210> 5935

5217

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5935

Ile Leu Gly Asp Thr Ile Glu Gly Thr Pro Ala Gly Thr Gly Pro Glu
 1 5 10 15

Phe Pro Gly Arg Pro Thr Arg Pro Xaa Thr Val Arg Leu Ser Ala Ile
 20 25 30

Asp Gly Ala Leu Leu Trp Cys Leu Leu Glu Val Tyr Cys His Tyr Arg
 35 40 45

Glu Pro Cys Leu Leu Ala Ser Leu Asp Leu Tyr Ser Lys Gln Ser Val
 50 55 60

Ser Asp Asp Lys Phe Cys Arg Arg Val Tyr Ser Glu Pro Leu Thr Ser
 65 70 75 80

Cys Lys Gly Lys Met Gly Gly Leu Pro Glu Ile Pro Leu Lys Gln Gly
 85 90 95

Gly Leu Trp Gly Gly Arg Leu Gly Tyr Leu Ser
 100 105

<210> 5936

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5936

Arg Ala Leu Trp Phe Phe Ser Ser Arg Gly His Asp Ala Ser Gln Ile
 1 5 10 15

Thr Leu Ala Leu Xaa Thr Ala Ala Ser Tyr Pro Arg Ala Cys Gln Ala
 20 25 30

Leu Gly Ala Met Leu Ser Lys Gly Ala Leu Asn Pro Ala Asp Ile Thr

5218

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          35              40              45
Val Leu Phe Lys Met Phe Thr Ser Met Asp Pro Pro Pro Val Glu Leu
   50              55              60
Glu Val Ala Ser Gln Glu Ser Pro Met Ser Ala Gly Lys Val Thr Leu
   65              70              75              80
Glu Ser Leu Cys Leu Ser Asp Cys Leu Lys Ala Val Asn Ala Asn Pro
          85              90              95
Ser Leu Ser Trp Ser Phe Leu Ser His Thr Leu Cys Leu Glu Pro Val
          100              105              110
Gly Pro Leu Leu Cys Arg Asp Thr Leu Arg Gly Gly Gly
          115              120              125

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<210> 5937

<211> 223

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5937

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Arg His Cys Leu Pro Pro Thr Pro Pro Gln Gly Cys Gly Leu Pro Ala
   1              5              10              15
Leu Gly Gly Gln Ala Met Leu Thr Leu His Gly Gly His Ser Ser Arg
          20              25              30
Glu Ala Xaa Lys Val Val Asn Ser Ile Leu Ala Phe Arg Glu Lys Glu
          35              40              45
Trp Gln Arg Leu Gln Ser Asn Pro His Leu Lys Glu Gly Ser Val Thr
          50              55              60
Ser Val Asn Leu Thr Lys Leu Glu Gly Gly Val Ala Tyr Asn Val Ile
          65              70              75              80
Pro Ala Thr Met Ser Ala Ser Phe Asp Phe Arg Val Ala Pro Asp Val
          85              90              95
Asp Phe Lys Ala Phe Glu Glu Gln Leu Gln Ser Trp Cys Gln Ala Ala
          100              105              110

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5219

Gly Glu Gly Val Thr Leu Glu Phe Ala Gln Lys Trp Met His Pro Gln
 115 120 125
 Val Thr Pro Thr Asp Asp Ser Asn Pro Trp Trp Ala Ala Phe Ser Arg
 130 135 140
 Val Cys Lys Asp Met Asn Leu Thr Leu Glu Pro Glu Ile Met Pro Ala
 145 150 155 160
 Ala Thr Asp Asn Arg Tyr Ile Arg Ala Val Gly Val Pro Ala Leu Gly
 165 170 175
 Phe Ser Pro Met Asn Arg Thr Pro Val Leu Leu His Asp His Asp Glu
 180 185 190
 Arg Leu His Glu Ala Val Phe Leu Arg Gly Val Asp Ile Tyr Thr Arg
 195 200 205
 Leu Leu Pro Ala Leu Ala Ser Val Pro Ala Leu Pro Ser Asp Ser
 210 215 220

<210> 5938

<211> 86

<212> PRT

<213> Homo sapiens

<400> 5938

Ala Leu Cys Pro Pro Arg Gly Thr Ala Ser Gly Pro Arg His Thr Leu
 1 5 10 15
 Trp Leu Asn Gln Gly Leu Gln Gly Pro Cys Gly Pro Ala Gln Ala Leu
 20 25 30
 Met Gly Arg His Val Arg Ser Trp Arg Thr Gln Ala Pro Phe Leu Ser
 35 40 45
 Gly Val Val Phe Phe Leu Cys Pro Gly Ala Ser Pro Ser Ser Asn Gly
 50 55 60
 Pro Phe Ala Arg Phe Gly Val Pro Leu Ala Gly Pro Ile Arg Thr Leu
 65 70 75 80
 Arg Ser Asn Gln Gly Arg
 85

<210> 5939

<211> 130

5220

<212> PRT

<213> Homo sapiens

<400> 5939

Arg Arg Asp Ala Cys Pro Ile Ser Arg Glu Pro Pro Thr Arg Pro Trp

1 5 10 15

Gly Thr Thr Ser Thr Leu Leu Leu Ser Leu Gln Ser Pro Val Pro Arg

20 25 30

Met Gly His Leu Gln Pro Leu Ala Leu Pro Gln Phe Leu His Leu Pro

35 40 45

Ala Ala Ala Pro Arg Asn Trp Ala Pro Ser Ser Arg Ala Trp Pro Ala

50 55 60

Cys Ala Pro Arg Ser Arg Pro Gly Arg Ala Ala Val Phe Leu Lys Tyr

65 70 75 80

Ala Arg Pro Gln Arg Gln Gly Thr Ser Leu Ala Ala Ala Leu Pro Ala

85 90 95

Ala Ala Ser Ser Leu Ser Leu Pro Glu Tyr Trp Asp Ser Val Thr Lys

100 105 110

Lys Ser Thr Thr Lys Asn Lys Thr Leu Pro Val Cys Val Arg Leu Ser

115 120 125

Ser Gln

130

<210> 5940

<211> 148

<212> PRT

<213> Homo sapiens

<400> 5940

Gly Arg Thr Cys Lys Lys Glu Leu Thr Arg Lys Asp Thr Ile Met Ala

1 5 10 15

His Val Thr Glu Phe His Asn Gly His Arg Tyr Phe Tyr Glu Met Asp

20 25 30

Glu Val Glu Gly Glu Thr Leu Pro Ser Ser Ser Thr Thr Leu Asp Asn

35 40 45

Leu Thr Ala Asn Lys Pro Ser Ser Ala Ile Thr Val Ile Asp His Ser

50 55 60

5221

Pro Ala Asn Ser Ser Pro Arg Gly Lys Trp Gln Cys Arg Ile Cys Glu
65 70 75 80

Asp Met Phe Asp Ser Gln Glu Tyr Val Lys Gln His Cys Met Ser Leu
85 90 95

Ala Ser His Lys Phe His Arg Tyr Ser Cys Ala His Cys Arg Lys Pro
100 105 110

Phe His Lys Ile Glu Thr Leu Tyr Arg His Cys Gln Asp Glu His Asp
115 120 125

Asn Glu Ile Lys Ile Lys Tyr Phe Cys Gly Leu Cys Asp Leu Ile Phe
130 135 140

Asn Val Glu Glu
145

<210> 5941

<211> 268

<212> PRT

<213> Homo sapiens

<400> 5941

Pro Gly Arg Pro Thr Arg Pro Arg Thr Arg Gly Ile Asn Lys Leu Ile
1 5 10 15

Arg Ile Gly Arg Asn Glu Cys Val Val Val Ile Arg Val Asp Lys Glu
20 25 30

Lys Gly Tyr Ile Asp Leu Ser Lys Arg Arg Val Ser Pro Glu Glu Ala
35 40 45

Ile Lys Cys Glu Asp Lys Phe Thr Lys Ser Lys Thr Val Tyr Ser Ile
50 55 60

Leu Arg His Val Ala Glu Val Leu Glu Tyr Thr Lys Asp Glu Gln Leu
65 70 75 80

Glu Ser Leu Phe Gln Arg Thr Ala Trp Val Phe Asp Asp Lys Tyr Lys
85 90 95

Arg Pro Gly Tyr Gly Ala Tyr Asp Ala Phe Lys His Ala Val Ser Asp
100 105 110

Pro Ser Ile Leu Asp Ser Leu Asp Leu Asn Glu Asp Glu Arg Glu Val
115 120 125

Leu Ile Asn Asn Ile Asn Arg Arg Leu Thr Pro Gln Ala Val Lys Ile

5222

130	135	140
Arg Ala Asp Ile Glu Val Ala Cys Tyr Gly Tyr Glu Gly Ile Asp Ala		
145	150	155 160
Val Lys Glu Ala Leu Arg Ala Gly Leu Asn Cys Ser Thr Glu Asn Met		
	165	170 175
Pro Ile Lys Ile Asn Leu Ile Ala Pro Pro Arg Tyr Val Met Thr Thr		
	180	185 190
Thr Thr Leu Glu Arg Thr Glu Gly Leu Ser Val Leu Ser Gln Ala Met		
	195	200 205
Ala Val Ile Lys Glu Lys Ile Glu Glu Lys Arg Gly Val Phe Asn Val		
	210	215 220
Gln Met Glu Pro Lys Val Val Thr Asp Thr Asp Glu Thr Glu Leu Ala		
	225	230 235 240
Arg Gln Met Glu Arg Leu Glu Arg Glu Asn Ala Glu Val Asp Gly Asp		
	245	250 255
Asp Asp Ala Glu Glu Met Glu Ala Lys Ala Glu Asp		
	260	265

<210> 5942

<211> 249

<212> PRT

<213> Homo sapiens

<400> 5942

Ser Arg Glu Ile Asp Ile Ile His Val Ile Lys Asn Met Gly Phe Asn
1 5 10 15
Leu Thr Phe His Leu Ser Tyr Lys Phe Arg Leu Leu Leu Leu Leu Thr
20 25 30
Leu Cys Leu Thr Val Val Gly Trp Ala Thr Ser Asn Tyr Phe Val Gly
35 40 45
Ala Ile Gln Glu Ile Pro Lys Ala Lys Glu Phe Met Ala Asn Phe His
50 55 60
Lys Thr Leu Ile Leu Gly Lys Gly Lys Thr Leu Thr Asn Glu Ala Ser
65 70 75 80
Thr Lys Lys Val Glu Leu Asp Asn Cys Pro Ser Val Ser Pro Tyr Leu
85 90 95

5223

Arg Gly Gln Ser Lys Leu Ile Phe Lys Pro Asp Leu Thr Leu Glu Glu
 100 105 110
 Val Gln Ala Glu Asn Pro Lys Val Ser Arg Gly Arg Tyr Arg Pro Gln
 115 120 125
 Glu Cys Lys Ala Leu Gln Arg Val Ala Ile Leu Val Pro His Arg Asn
 130 135 140
 Arg Glu Lys His Leu Met Tyr Leu Leu Glu His Leu His Pro Phe Leu
 145 150 155 160
 Gln Arg Gln Gln Leu Asp Tyr Gly Ile Tyr Val Ile His Gln Ala Glu
 165 170 175
 Gly Lys Lys Phe Asn Arg Ala Lys Leu Leu Asn Val Gly Tyr Leu Glu
 180 185 190
 Ala Leu Lys Glu Glu Asn Trp Asp Cys Phe Ile Phe His Asp Val Thr
 195 200 205
 Trp Tyr Pro Arg Met Thr Leu Thr Phe Thr Ser Val Arg Ser Ile Pro
 210 215 220
 Ser Ile Trp Trp Leu Ala Gly Thr Ala Leu Gly Thr Gly Tyr Val Thr
 225 230 235 240
 Val Asp Ile Leu Gly Val Leu Leu Pro
 245

<210> 5943

<211> 25

<212> PRT

<213> Homo sapiens

<400> 5943

Gln Ala Pro Arg Arg Pro Ser Pro Ala Ser Leu Cys Gly Pro Arg Arg
 1 5 10 15

Pro Ala Ala Pro Glu Leu Leu Thr Val
 20 25

<210> 5944

<211> 70

<212> PRT

<213> Homo sapiens

5224

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5944

Gln Gly Gly Asp Pro Trp Val Val Arg Gln Leu Trp Val Asn Phe Val
 1 5 10 15

Ser Thr Leu Ser Arg Gly Lys Phe Gly Leu Ser Pro Gly Val His Thr
 20 25 30

Ala Ala Ala Thr Gln Cys Ala Thr Tyr His Phe Phe Leu Xaa Cys Phe
 35 40 45

Val Leu Phe Leu Lys Asp His Phe Ile Leu Lys Arg Lys Ala Asp Pro
 50 55 60

Ser Lys His Glu Ser Ile
 65 70

<210> 5945

<211> 409

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5945

Pro Val Xaa Pro Arg Val Arg Arg Arg Arg Ala Lys Val Gln Gln Gly
 1 5 10 15

Ala Val Gly Arg Ala Arg Arg Phe Pro Ala Arg Val Ser Ala Arg Gly
 20 25 30

Ser Ala Pro Gly Pro Gly Leu Gly Gly Ala Gly Ala Leu Asp Pro Pro
 35 40 45

Ala Val Val Ala Glu Ser Val Ser Ser Leu Thr Ile Ala Asp Ala Phe
 50 55 60

Ile Ala Ala Gly Glu Ser Ser Ala Pro Thr Pro Pro Arg Pro Ala Leu
 65 70 75 80

Pro Arg Arg Phe Ile Cys Ser Phe Pro Asp Cys Ser Ala Asn Tyr Ser

5225

85										90					95				
Lys	Ala	Trp	Lys	Leu	Asp	Ala	His	Leu	Cys	Lys	His	Thr	Gly	Glu	Arg				
			100					105					110						
Pro	Phe	Val	Cys	Asp	Tyr	Glu	Gly	Cys	Gly	Lys	Ala	Phe	Ile	Arg	Asp				
		115					120					125							
Tyr	His	Leu	Ser	Arg	His	Ile	Leu	Thr	His	Thr	Gly	Glu	Lys	Pro	Phe				
	130					135					140								
Val	Cys	Ala	Ala	Asn	Gly	Cys	Asp	Gln	Lys	Phe	Asn	Thr	Lys	Ser	Asn				
145					150					155					160				
Leu	Lys	Lys	His	Phe	Glu	Arg	Lys	His	Glu	Asn	Gln	Gln	Lys	Gln	Tyr				
				165					170					175					
Ile	Cys	Ser	Phe	Glu	Asp	Cys	Lys	Lys	Thr	Phe	Lys	Lys	His	Gln	Gln				
			180					185					190						
Leu	Lys	Ile	His	Gln	Cys	Gln	His	Thr	Asn	Glu	Pro	Leu	Phe	Lys	Cys				
		195					200					205							
Thr	Gln	Glu	Gly	Cys	Gly	Lys	His	Phe	Ala	Ser	Pro	Ser	Lys	Leu	Lys				
	210					215					220								
Arg	His	Ala	Lys	Ala	His	Glu	Gly	Tyr	Val	Cys	Gln	Lys	Gly	Cys	Ser				
225					230					235					240				
Phe	Val	Ala	Lys	Thr	Trp	Thr	Glu	Leu	Leu	Lys	His	Val	Arg	Glu	Thr				
				245					250					255					
His	Lys	Glu	Glu	Ile	Leu	Cys	Glu	Val	Cys	Arg	Lys	Thr	Phe	Lys	Arg				
		260						265					270						
Lys	Asp	Tyr	Leu	Lys	Gln	His	Met	Lys	Thr	His	Ala	Pro	Glu	Arg	Asp				
		275					280					285							
Val	Cys	Arg	Cys	Pro	Arg	Glu	Gly	Cys	Gly	Arg	Thr	Tyr	Thr	Thr	Val				
	290					295					300								
Phe	Asn	Leu	Gln	Ser	His	Ile	Leu	Ser	Phe	His	Glu	Glu	Ser	Arg	Pro				
305					310					315					320				
Phe	Val	Cys	Glu	His	Ala	Gly	Cys	Gly	Lys	Thr	Phe	Ala	Met	Lys	Gln				
				325					330					335					
Ser	Leu	Thr	Arg	His	Ala	Val	Val	His	Asp	Pro	Asp	Lys	Lys	Lys	Met				
			340					345					350						
Lys	Leu	Lys	Val	Lys	Lys	Ser	Arg	Glu	Lys	Arg	Ser	Leu	Ala	Ser	His				

5226

355 360 365
 Leu Ser Gly Tyr Ile Pro Pro Lys Arg Lys Gln Gly Gln Gly Leu Ser
 370 375 380
 Leu Cys Gln Asn Gly Glu Ser Pro Asn Cys Val Glu Asp Lys Met Leu
 385 390 395 400
 Ser Thr Val Ala Val Leu Thr Leu Gly
 405

<210> 5946

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5946

Lys Arg Met Ala Ala Leu Phe Leu Lys Arg Leu Thr Leu Gln Thr Val
 1 5 10 15

Lys Ser Glu Asn Ser Cys Ile Arg Cys Phe Gly Lys His Ile Leu Gln
 20 25 30

Lys Thr Ala Pro Ala Gln Leu Ser Pro Ile Ala Ser Ala Pro Arg Leu
 35 40 45

Ser Phe Leu Ile His Ala Lys Ala Phe Ser Thr Ala Glu Asp Thr Gln
 50 55 60

Asn Glu Gly Lys Lys Thr Lys Lys Xaa Lys Thr Ala Phe Ser Asn Val
 65 70 75 80

Xaa Lys Lys Asn

<210> 5947

<211> 288

5227

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5947

Asp Val Ile Arg Arg Thr Val Glu Glu Arg Lys Leu Lys Leu Glu Met
 1 5 10 15

Glu Lys Gln Glu Phe Glu Gln Leu Arg Gln Glu Met Gly Glu Glu Glu
 20 25 30

Glu Glu Asn Glu Thr Phe Gly Leu Ser Arg Glu Tyr Glu Glu Leu Ile
 35 40 45

Lys Leu Lys Arg Ser Gly Ser Ile Gln Ala Lys Asn Leu Lys Ser Lys
 50 55 60

Phe Glu Lys Ile Gly Gln Leu Ser Glu Lys Glu Ile Gln Xaa Xaa Ile
 65 70 75 80

Glu Glu Glu Arg Ala Arg Arg Arg Ala Ile Asp Leu Glu Ile Lys Glu
 85 90 95

Arg Glu Ala Glu Asn Phe His Glu Glu Asp Asp Val Asp Val Arg Pro
 100 105 110

Ala Arg Lys Ser Glu Ala Pro Phe Thr His Lys Val Asn Met Lys Ala
 115 120 125

Arg Phe Glu Gln Met Ala Lys Ala Arg Glu Glu Glu Glu Gln Arg Arg
 130 135 140

Ile Glu Glu Gln Lys Leu Leu Arg Met Gln Phe Glu Gln Arg Glu Ile
 145 150 155 160

Asp Ala Ala Leu Gln Lys Lys Arg Glu Glu Glu Glu Glu Glu Gly
 165 170 175

Ser Ile Met Asn Gly Ser Thr Ala Glu Asp Glu Glu Gln Thr Arg Ser
 180 185 190

Gly Ala Pro Trp Phe Lys Lys Pro Leu Lys Asn Thr Ser Val Val Asp

5228

195	200	205
Ser Glu Pro Val Arg Phe Thr Val Lys Val Thr Gly Glu Pro Lys Pro		
210	215	220
Glu Ile Thr Trp Trp Phe Glu Gly Glu Ile Leu Gln Asp Gly Glu Asp		
225	230	235 240
Tyr Gln Tyr Ile Glu Arg Gly Glu Thr Tyr Cys Leu Tyr Leu Pro Glu		
	245	250 255
Thr Phe Pro Glu Asp Gly Gly Glu Tyr Met Cys Lys Ala Val Asn Asn		
	260	265 270
Lys Gly Ser Ala Ala Ser Thr Cys Ile Leu Thr Ile Glu Ser Lys Asn		
275	280	285

<210> 5948

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

5229

<400> 5948

Trp His Tyr Gly Met Tyr Gly Gln Ala Xaa Pro Cys Gln Glu Xaa Ile
 1 5 10 15
 Pro Gly Met Val Glu Ser Phe Ile Xaa Asn Gly Trp Phe Ser Xaa Tyr
 20 25 30
 Ala Lys Arg Pro Met Ser Asn Pro Leu Leu Leu Ile Pro Ala Ala Trp
 35 40 45
 Gly Leu Val Pro Val Val Pro Gln Lys Cys Gly Pro Arg Thr Gln Pro
 50 55 60
 Val Xaa Ala Ser Ser Gly Asn Leu Val Lys Lys Cys Lys Leu Leu Gly
 65 70 75 80
 Pro Thr Leu Asn Leu Leu Asn His Lys Leu Cys Phe Asn Lys Gln Pro
 85 90 95
 Ala Leu

<210> 5949

<211> 138

<212> PRT

<213> Homo sapiens

<400> 5949

Val Pro Asp Phe Gln Gly Gln Gln Phe Ile Leu Glu Lys Gly Asp Tyr
 1 5 10 15
 Pro Arg Trp Ser Ala Trp Ser Gly Ser Ser Ser His Asn Ser Asn Gln
 20 25 30
 Leu Leu Ser Phe Arg Pro Val Leu Cys Ala Asn His Asn Asp Ser Arg
 35 40 45
 Val Thr Leu Phe Glu Gly Asp Asn Phe Gln Gly Cys Lys Phe Asp Leu
 50 55 60
 Val Asp Asp Tyr Pro Ser Leu Pro Ser Met Gly Trp Ala Ser Lys Asp
 65 70 75 80
 Val Gly Ser Leu Lys Val Ser Ser Gly Ala Trp Val Ala Tyr Gln Tyr
 85 90 95
 Pro Gly Tyr Arg Gly Tyr Gln Tyr Val Leu Glu Arg Asp Arg His Ser
 100 105 110

5230

Gly Glu Phe Cys Thr Tyr Gly Glu Leu Gly Thr Gln Ala His Thr Gly
 115 120 125

Gln Leu Gln Ser Ile Arg Arg Val Gln His
 130 135

<210> 5950

<211> 196

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5950

Lys Lys Asp Phe Phe Gly Lys Ser Asp Pro Phe Leu Val Phe Tyr Arg
 1 5 10 15

Ser Asn Glu Asp Gly Thr Phe Thr Ile Cys His Lys Thr Glu Val Val
 20 25 30

Lys Asn Thr Leu Asn Pro Val Trp Gln Pro Phe Ser Ile Pro Val Arg
 35 40 45

Ala Leu Cys Asn Gly Asp Tyr Asp Arg Thr Val Lys Ile Asp Val Tyr
 50 55 60

Asp Trp Asp Arg Asp Gly Ser His Asp Phe Ile Gly Glu Phe Thr Thr
 65 70 75 80

Ser Tyr Arg Glu Leu Ser Lys Ala Gln Asn Gln Phe Thr Val Tyr Glu
 85 90 95

Val Leu Asn Pro Arg Lys Lys Cys Lys Lys Lys Lys Tyr Val Asn Ser
 100 105 110

Gly Thr Val Thr Leu Leu Ser Phe Ser Val Asp Ser Glu Phe Thr Phe
 115 120 125

Val Asp Tyr Ile Lys Gly Gly Thr Gln Leu Asn Phe Thr Val Ala Ile
 130 135 140

Asp Phe Thr Ala Ser Asn Gly Asn Pro Leu Gln Pro Thr Xaa Leu His
 145 150 155 160

Tyr Met Ser Pro Tyr Gln Leu Ser Ala Tyr Ala Met Ala Leu Lys Ala

5231

165 170 175
 Val Gly Glu Ile Ile Gln Asp Tyr Asp Ser Asp Lys Leu Phe Pro Ala
 180 185 190
 Tyr Gly Phe Gly
 195

<210> 5951

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5951

Lys Glu His Leu Met Cys Trp Ala Phe Tyr Arg Leu Thr Leu Thr Ser
 1 5 10 15

Gln Ala Glu Leu Tyr Thr Phe Ser Phe Thr Thr Ile Ser Ile Leu Ile
 20 25 30

Asn Tyr Gly Phe Met Leu Leu Lys Thr Ile Tyr Asn Ala Asp His Tyr
 35 40 45

Tyr Lys Cys Val Val Leu Thr Asn Cys Thr Glu Thr Ala Leu Ser Leu
 50 55 60

Tyr Ser Val Trp Ile Phe Gly Glu Asn Asn Lys Cys Ser Gln Glu Xaa
 65 70 75 80

Leu Leu Arg Gly Arg Leu Cys Glu Trp Ile Thr Leu Lys Ala Ala Phe
 85 90 95

Glu Thr Pro Val Ser Gly Ile Ser Cys Ile Leu Ala Trp Arg Pro Asp
 100 105 110

Val Asn Leu Thr Ser Ser Lys Asn Thr Arg Phe Pro
 115 120

<210> 5952

<211> 129

<212> PRT

<213> Homo sapiens

5232

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5952

Thr Phe Ala Gly Leu Cys His Ile Pro Leu Ala Val Ser Ser Glu Glu
 1 5 10 15

Ala Pro Phe Ala Leu Gly Asn Gly Ser Val Ser His Trp Phe Ile Ser
 20 25 30

Leu Glu Leu Phe Gly Ser Gln Ile Cys Phe Phe Glu Asn Leu Ser Trp
 35 40 45

Gly Arg Leu Gln Val Val Asn Arg Gly Val Gly Val Gly Gly Gly Val
 50 55 60

His Tyr Leu Gly Leu Leu Gly Ala Ser Arg Phe Ser Gly Arg Arg Ile
 65 70 75 80

His Cys Val Leu Leu Leu Phe Pro Trp Pro Gly Leu Pro Ala Ser Leu
 85 90 95

Cys His Pro Ala Trp Gly Lys Ala Pro Thr Gly Ile Val Ser Pro Leu
 100 105 110

His Ala Ser Leu Ala Xaa Lys Ser Gln Lys Lys Ser Lys Thr Gly Arg
 115 120 125

Lys

<210> 5953

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

5233

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5953

Val Leu Glu Pro Gln Asn Val Asp Pro Ser Met Val Gln Met Thr Phe
 1 5 10 15

Leu Asp Asp Val Xaa His Ser Leu Leu Lys Gly Glu Asn Ile Gly Ile
 20 25 30

Thr Ser Arg Arg Arg Ser Arg Ala Asn Gln Asn Val Asn Ala Val His
 35 40 45

Ser His Tyr Thr Arg Ala Gln Ala Asn Ser Pro Arg Pro Ala Met Asn
 50 55 60

Ser Gln Ala Ala Val Pro Lys Gln Asn Thr His Gln Gln Gln Gln
 65 70 75 80

Arg Ser Ile Arg Pro Asn Lys Arg Lys Gly Ser Asp Ser Ser Ile Pro
 85 90 95

Asp Glu Xaa Lys Met Lys Glu Glu Lys Tyr Asp Tyr Ile Ser Arg Gly
 100 105 110

Glu Asn Pro Lys Gly Lys Asn Lys His Leu Met Asn Lys Arg Arg Lys
 115 120 125

Pro Glu Glu Asp Glu Lys Lys Leu Asn Met Lys Arg Leu Arg Thr Asp
 130 135 140

Asn Val Ser Asp Phe Ser Glu Ser Ser Asp Ser Glu Asn Ser Asn Lys
 145 150 155 160

Arg Ile Ile Asp Asn Ser Ser Glu Gln Lys Pro Glu Asn Glu Xaa Lys
 165 170 175

Lys Lys Tyr

<210> 5954

<211> 273

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5234

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5954

Ala	Gly	Phe	Cys	Val	Val	Gln	Leu	Arg	Thr	Cys	Phe	Ser	Arg	Gln	Arg	1	5	10	15
Phe	Lys	Ile	Ser	Gly	Asp	Gly	Ile	Arg	Asn	Gly	Asn	Ala	Glu	Arg	Xaa	20	25	30	
Gly	Arg	Gly	Gly	Leu	Tyr	Pro	Gly	His	Pro	Gln	Gly	Gly	Arg	Arg	Ala	35	40	45	
Lys	Lys	Arg	Gln	Ala	Glu	Gln	Leu	Ser	Ala	Ala	Gly	Glu	Gly	Gly	Asp	50	55	60	
Ala	Gly	Arg	Met	Asp	Thr	Glu	Glu	Ala	Arg	Pro	Ala	Lys	Arg	Pro	Val	65	70	75	80
Phe	Pro	Pro	Leu	Cys	Gly	Asp	Gly	Leu	Leu	Ser	Gly	Lys	Glu	Glu	Thr	85	90	95	
Arg	Lys	Ile	Pro	Val	Pro	Ala	Asn	Arg	Tyr	Thr	Pro	Leu	Lys	Glu	Asn	100	105	110	
Trp	Met	Lys	Ile	Phe	Thr	Pro	Ile	Val	Glu	His	Leu	Gly	Leu	Gln	Ile	115	120	125	
Arg	Phe	Asn	Leu	Lys	Ser	Arg	Asn	Val	Glu	Ile	Arg	Thr	Cys	Lys	Glu	130	135	140	
Thr	Lys	Asp	Val	Ser	Ala	Leu	Thr	Lys	Ala	Ala	Asp	Phe	Val	Lys	Ala	145	150	155	160
Phe	Ile	Leu	Gly	Phe	Gln	Val	Glu	Asp	Ala	Leu	Ala	Leu	Ile	Arg	Leu	165	170	175	
Asp	Asp	Leu	Phe	Leu	Glu	Ser	Phe	Glu	Ile	Thr	Asp	Val	Lys	Pro	Leu	180	185	190	
Lys	Gly	Asp	His	Leu	Ser	Arg	Ala	Ile	Gly	Arg	Ile	Ala	Gly	Lys	Gly	195	200	205	
Gly	Lys	Thr	Lys	Phe	Thr	Ile	Glu	Asn	Val	Thr	Arg	Thr	Arg	Ile	Val	210	215	220	
Leu	Ala	Asp	Val	Lys	Val	His	Ile	Leu	Gly	Ser	Phe	Gln	Asn	Ile	Lys	225	230	235	240
Met	Ala	Arg	Thr	Ala	Ile	Cys	Asn	Leu	Ile	Leu	Gly	Asn	Pro	Pro	Ser	245	250	255	

5235

Lys Val Tyr Gly Asn Ile Arg Ala Val Ala Ser Arg Ser Ala Asp Arg
 260 265 270

Phe

<210> 5955

<211> 92

<212> PRT

<213> Homo sapiens

<400> 5955

Arg Met Glu Arg Ser Leu Lys Gly Ile Phe Ile Lys Gln Val Leu Glu
 1 5 10 15

Asp Ser Pro Ala Gly Lys Thr Asn Ala Leu Lys Thr Gly Asp Lys Ile
 20 25 30

Leu Glu Val Ser Gly Val Asp Leu Gln Asn Ala Ser His Ser Glu Ala
 35 40 45

Val Glu Ala Ile Lys Asn Ala Gly Asn Pro Val Val Phe Ile Val Gln
 50 55 60

Ser Leu Ser Ser Thr Pro Arg Val Ile Pro Asn Val His Asn Lys Ala
 65 70 75 80

Asn Lys Ile Thr Gly Asn Gln Asn Gln Asp Thr Gln
 85 90

<210> 5956

<211> 203

<212> PRT

<213> Homo sapiens

<400> 5956

Asn Ser Ala Arg Gly Asp Gln Glu Ser Thr Cys Ala Glu Val Leu Val
 1 5 10 15

Ile Trp Ser Leu Phe Pro Ser Gly Tyr Gln Leu Pro Ser Ala Ala Gln
 20 25 30

Ala Val Val Pro Glu Ala Arg Gly Arg Ser Gln Thr Cys Gly Asn Phe
 35 40 45

Ala Val Tyr Leu Gln Gly Cys Cys Phe Gln Gln Asp Pro Lys Leu Glu

5236

50	55	60
Lys Glu Glu Glu Glu Thr Asp Pro Ile Ser Ala Arg Ser His Cys Ile		
65	70	75 80
Gln Arg Arg Ile Ser Lys Lys Glu Lys Lys Glu Gly Arg Glu Val Asp		
	85	90 95
Arg Tyr Lys Met Lys Ser Cys Gln Lys Met Glu Gly Lys Pro Glu Asn		
	100	105 110
Glu Ser Glu Pro Lys His Glu Glu Glu Pro Lys Pro Glu Glu Lys Pro		
	115	120 125
Glu Glu Glu Glu Lys Leu Glu Glu Glu Ala Lys Ala Lys Gly Thr Phe		
	130	135 140
Arg Glu Arg Leu Ile Gln Ser Leu Gln Glu Phe Lys Glu Asp Ile His		
	145	150 155 160
Asn Arg His Leu Ser Asn Glu Asp Met Phe Arg Glu Val Asp Glu Ile		
	165	170 175
Asp Glu Ile Arg Arg Val Arg Asn Lys Leu Ile Val Met Arg Trp Lys		
	180	185 190
Val Asn Arg Asn His Pro Tyr Pro Tyr Leu Met		
	195	200

<210> 5957

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

5237

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5957

Trp	Ala	Leu	Cys	Thr	Asn	Cys	Phe	Ser	Pro	Ser	Pro	Leu	Asp	Leu	Arg
1				5					10					15	

Ile	Lys	His	Pro	Val	Leu	Lys	Leu	Ile	Cys	Cys	Ser	Phe	Val	Asn	Ile
			20					25					30		

Ser	Leu	Arg	Phe	Ser	Leu	Arg	Val	Arg	Xaa	Asn	Ile	Ser	Glu	Pro	Lys
		35					40					45			

Val	Pro	Tyr	Thr	Thr	Leu	Ala	Tyr	Tyr	Ser	Xaa	Xaa	Phe	Lys	Gly	Phe
	50					55					60				

Arg	Ile	Phe	Gly	Ser	His	Xaa	Lys	Ser	Val	Phe	Ile	Met
65					70					75		

<210> 5958

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5958

Cys	Asn	Asp	His	Lys	Ile	Ala	Trp	Lys	Ile	Val	Ile	Gln	Ile	Ser	Thr
1				5					10					15	

Met	Asn	Ser	Xaa	Pro	Lys	Phe	Phe	Phe	Pro	Met	Ile	Lys	Val	Val	Asp
			20					25					30		

<210> 5959

<211> 56

<212> PRT

<213> Homo sapiens

<400> 5959

5238

Asn Gln Val Tyr Phe Leu Met Ala Phe Ile Thr Leu Thr His Lys Val
 1 5 10 15

Thr Asp Gln Cys Ile Ser Tyr Gly Tyr Arg Pro Arg Ala Leu Glu Gly
 20 25 30

Gly Gly Leu Leu Lys His Met Gln Lys Lys Lys Lys Lys Lys Phe Cys
 35 40 45

Ile Tyr Asn His Phe Asn Leu Leu
 50 55

<210> 5960

<211> 82

<212> PRT

<213> Homo sapiens

<400> 5960

Gly Tyr Val Cys Glu Phe Leu Gly Asn Leu Ser Val Leu Asp Ala Ser
 1 5 10 15

Leu Gln Gln Gly Pro Leu Leu Ala Met Asp Gly Pro Gly Arg Ser Leu
 20 25 30

Glu Ile Thr His Leu Lys Asn Glu Gly Pro Met Lys Val Phe Gly Cys
 35 40 45

Leu Leu Met Pro Leu Leu Leu Thr Leu Leu Phe Ala Tyr Phe Gln Asn
 50 55 60

Ile Ile Lys Cys Gln His Ile Ile Ser Glu Arg Gln Val Gly Val Gly
 65 70 75 80

Glu Lys

<210> 5961

<211> 77

<212> PRT

<213> Homo sapiens

<400> 5961

Phe Val Thr Cys His Asn Thr Lys Gln Val Thr Glu Glu Thr Ile Met
 1 5 10 15

Gly Pro Arg Gly Arg Cys Leu Tyr His Val Asp Lys Ile Gln Ser Ser
 20 25 30

5239

Leu Phe Gln Thr Lys His Phe Ala Leu Glu Thr Phe Glu Thr Ser Met
 35 40 45

Ala Val Glu Tyr Ser Arg Asp Asp Leu Lys Ile Leu Glu Ala Val Glu
 50 55 60

Val Pro Val Val Gly Ala Arg His Gly Ser Gly Asp Pro
 65 70 75

<210> 5962

<211> 170

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5962

Ala Asp Ala Trp Val Asp Tyr Ser Glu Asp Lys Ser Ser Trp Asp Asn
 1 5 10 15

Gln Gln Glu Asn Pro Pro Pro Thr Lys Lys Ile Gly Lys Lys Pro Val
 20 25 30

Ala Lys Met Pro Leu Arg Arg Pro Lys Met Lys Lys Thr Pro Glu Lys
 35 40 45

Leu Asp Asn Thr Pro Ala Ser Pro Pro Arg Ser Pro Ala Glu Pro Asn
 50 55 60

Asp Ile Pro Ile Ala Lys Gly Thr Tyr Thr Phe Asp Ile Asp Lys Trp
 65 70 75 80

Asp Asp Pro Asn Phe Asn Pro Phe Ser Ser Thr Ser Lys Met Gln Glu
 85 90 95

Ser Pro Lys Leu Pro Gln Gln Ser Tyr Asn Phe Asp Pro Asp Thr Cys
 100 105 110

Asp Glu Ser Val Asp Pro Phe Lys Thr Ser Ser Lys Thr Pro Ser Ser
 115 120 125

Pro Ser Lys Ser Pro Ala Ser Phe Glu Ile Pro Ala Ser Ala Met Glu
 130 135 140

Ala Asn Gly Val Asp Gly Asp Gly Leu Asn Lys Pro Ala Lys Lys Lys

5240

145 150 155 160

Lys Thr Pro Leu Lys Thr Glu His Leu Xaa
 165 170

<210> 5963

<211> 55

<212> PRT

<213> Homo sapiens

<400> 5963

Leu Ile Ala Gly Ile Gln His Gly Cys Gln Asp Ile Gly Ala Arg Ser
1 5 10 15

Leu Ser Val Leu Arg Ser Met Met Tyr Ser Gly Glu Leu Lys Phe Glu
 20 25 30

Lys Arg Thr Met Ser Ala Gln Ile Glu Gly Gly Val His Gly Leu His
 35 40 45

Ser Tyr Glu Lys Arg Leu Tyr
 50 55

<210> 5964

<211> 493

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (156)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

5241

<220>

<221> SITE

<222> (359)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (434)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (436)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (468)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (471)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (473)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (488)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5964

Val	Ile	Arg	Gly	Gly	Ser	Asn	Arg	Arg	Gly	Glu	Gly	Glu	Val	Ile	Pro
1				5					10				15		

Glu	Glu	Ser	Arg	Leu	Gly	Arg	Thr	Arg	Trp	Pro	Gly	Asn	Arg	Val	Ile
			20					25					30		

Arg	Glu	Met	Lys	Pro	Thr	Gly	Thr	Asp	Pro	Arg	Ile	Leu	Ser	Ile	Ala
			35					40				45			

Ala	Glu	Val	Ala	Lys	Ser	Pro	Glu	Gln	Asn	Val	Pro	Val	Ile	Leu	Leu
			50			55					60				

Lys	Leu	Lys	Glu	Ile	Ile	Asn	Ile	Thr	Pro	Leu	Gly	Ser	Ser	Glu	Leu
65					70					75				80	

5242

Lys	Lys	Ile	Lys	Gln	Asp	Ile	Tyr	Cys	Tyr	Asp	Leu	Ile	Gln	Tyr	Cys
				85				90				95			
Leu	Leu	Val	Leu	Ser	Gln	Asp	Tyr	Ser	Arg	Ile	Gln	Gly	Gly	Trp	Xaa
				100				105				110			
Thr	Ile	Ser	Gln	Leu	Thr	Gln	Ile	Leu	Ser	His	Cys	Cys	Val	Gly	Leu
				115				120				125			
Glu	Pro	Gly	Glu	Asp	Ala	Xaa	Glu	Phe	Tyr	Asn	Glu	Leu	Leu	Pro	Ser
				130				135				140			
Ala	Ala	Glu	Asn	Phe	Leu	Val	Leu	Gly	Arg	Gln	Xaa	Gln	Thr	Cys	Phe
145				150				155				160			
Ile	Asn	Ala	Ala	Xaa	Ala	Glu	Glu	Lys	Asp	Glu	Leu	Leu	His	Phe	Phe
				165				170				175			
Gln	Ile	Val	Thr	Asp	Ser	Leu	Phe	Trp	Leu	Leu	Gly	Gly	His	Val	Glu
				180				185				190			
Leu	Ile	Gln	Asn	Val	Leu	Gln	Ser	Asp	His	Phe	Leu	His	Leu	Leu	Gln
				195				200				205			
Ala	Asp	Asn	Val	Gln	Ile	Gly	Ser	Ala	Val	Met	Met	Met	Leu	Gln	Asn
				210				215				220			
Ile	Leu	Gln	Ile	Asn	Ser	Gly	Asp	Leu	Leu	Arg	Ile	Gly	Arg	Lys	Ala
225				230				235				240			
Leu	Tyr	Ser	Ile	Leu	Asp	Glu	Val	Ile	Phe	Lys	Leu	Phe	Ser	Thr	Pro
				245				250				255			
Ser	Pro	Val	Ile	Arg	Ser	Thr	Ala	Thr	Lys	Leu	Leu	Leu	Leu	Met	Ala
				260				265				270			
Glu	Ser	His	Gln	Glu	Ile	Leu	Ile	Leu	Leu	Arg	Gln	Ser	Thr	Cys	Tyr
				275				280				285			
Lys	Gly	Leu	Arg	Arg	Leu	Leu	Ser	Lys	Gln	Glu	Thr	Gly	Thr	Glu	Phe
				290				295				300			
Ser	Gln	Glu	Leu	Arg	Gln	Leu	Val	Gly	Leu	Leu	Ser	Pro	Met	Val	Tyr
305				310				315				320			
Gln	Glu	Val	Glu	Glu	Gln	Lys	Leu	His	Gln	Ala	Ala	Cys	Leu	Ile	Gln
				325				330				335			
Ala	Tyr	Trp	Lys	Gly	Phe	Gln	Thr	Arg	Lys	Arg	Leu	Lys	Lys	Leu	Pro
				340				345				350			

5243

Ser Ala Val Ile Ala Leu Xaa Arg Ser Phe Arg Ser Lys Arg Ser Lys
 355 360 365

Met Leu Leu Glu Ile Asn Arg Gln Lys Glu Glu Glu Asp Leu Lys Leu
 370 375 380

Gln Leu Gln Leu Gln Arg Gln Arg Ala Met Arg Leu Ser Arg Glu Leu
 385 390 395 400

Gln Leu Ser Met Leu Glu Ile Val His Pro Gly Gln Val Glu Lys His
 405 410 415

Tyr Arg Glu Met Gly Arg Glu Ile Ser Thr Asp Tyr Pro Glu Thr Leu
 420 425 430

Glu Xaa Val Xaa Gly Lys Glu Lys Phe Ser Pro Thr Glu Ala Val Ser
 435 440 445

His Arg Ser Ile Lys Ala Thr Val Thr Leu Gln Lys Ser Lys Arg Phe
 450 455 460

Lys Phe Leu Xaa Glu Ile Xaa Arg Xaa Glu Lys Arg Lys Leu Phe Cys
 465 470 475 480

Leu Pro Trp Ala Lys Gly Pro Xaa Lys Glu Thr Ser Thr
 485 490

<210> 5965

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5965

Leu Phe Val Cys Xaa Phe Leu Val Ala Arg Ser Asp Pro Arg Ile Phe
 1 5 10 15

Leu Leu Ser Arg Glu Thr Arg Arg Ile Met Arg Leu Phe Leu Val Ala
 20 25 30

Phe Gln Glu Tyr Glu Glu Lys Asn Gly Ser Gln Ser Gly Phe Glu
 35 40 45

5244

<210> 5966

<211> 65

<212> PRT

<213> Homo sapiens

<400> 5966

Leu His Lys Thr Leu Val Arg Tyr Gln Leu Leu His Arg Glu Ser Ser
1 5 10 15

Tyr Thr Ile Pro Tyr Ile Phe Ile Tyr Leu Leu Phe Tyr Tyr Ser Arg
20 25 30

Ile Thr Lys Leu Asp Ala Leu Ser Gln Phe Phe Ala Thr Glu Asn Tyr
35 40 45

Leu Phe Leu Leu Pro Phe His Thr Pro Cys Ile Tyr Asp Gln Pro Leu
50 55 60

His

65

<210> 5967

<211> 67

<212> PRT

<213> Homo sapiens

<400> 5967

Ala Lys Asn Ile Lys Gly Arg Glu Ile Gly Ile Gln Gly Asp Ser Val
1 5 10 15

Gln Glu Ser Lys Pro Gly Ile Cys Leu Cys Gly Arg Pro Asn His Tyr
20 25 30

Tyr Leu Asn Pro Leu Arg Lys Ala Phe Pro Ala Phe His Asn Ser Gly
35 40 45

Ser Ser Phe Ile Lys Trp Glu Thr His Asn Cys Pro Thr Tyr Leu Thr
50 55 60

Gly Val Leu

65

<210> 5968

<211> 124

<212> PRT

<213> Homo sapiens

5245

<400> 5968

Leu Glu Thr Ser Ala Val Tyr Ile Ser Leu Tyr Ser Phe Phe Ser Pro
 1 5 10 15
 Leu Pro Met Met Phe Arg Asn Thr Thr Ile Leu Phe Ala Lys His Ser
 20 25 30
 Asn Tyr Leu Ile Ser Lys Gln Val Leu Glu Tyr His Arg Asn His Lys
 35 40 45
 Thr Ala His Gln Asn Met Pro His Ser Thr Ser Ser Glu Gln Ser Gly
 50 55 60
 Lys Arg Thr Ser Arg Ser Trp Lys Ser Gly Leu Val Leu Ser Arg Ser
 65 70 75 80
 Thr Lys Asn Leu Asn Ile Ser Asp Asn His Asn Thr Ser Leu Thr Trp
 85 90 95
 Glu Arg Ala Val Ile Ile Phe His Arg Gly Gln Asp Gly Ser Leu Asp
 100 105 110
 Glu Glu Val Asp Met Pro Phe Pro Asn Ser Arg Lys
 115 120

<210> 5969

<211> 87

<212> PRT

<213> Homo sapiens

<400> 5969

Ile Cys Pro Arg Ser Pro Ser Lys Val Ser Val Ala Leu Arg Val Arg
 1 5 10 15
 Thr Leu Ile Arg Leu Gly Arg Val Leu Glu Ser Leu Arg Arg Gln Glu
 20 25 30
 Glu Cys Ala Glu Leu Ser Val Ser Gly Arg Leu Ile His Cys Trp Ala
 35 40 45
 His Ile Lys Ala Pro Met Gly Ser Arg Pro Asp Cys Thr Trp Leu Phe
 50 55 60
 Cys Trp Lys Lys Ser Met Ala Ala Gln Arg Thr Lys Ile Ser Ser Gly
 65 70 75 80
 Lys Ala Ser Phe Asp Cys Gln
 85

5246

<210> 5970

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5970

Met Glu Arg Xaa Gln Val Phe Asn Ser Thr Asn Ile Phe Phe Ser Phe
1 5 10 15

Val Pro Phe Phe Cys Leu Leu Tyr Thr Asp Ile Pro Thr Leu Ala Thr
20 25 30

Ala Gln Arg Gly Ser Tyr Leu Arg Asn Thr Ala Asp Phe Glu Tyr Leu
35 40 45

Val Leu Gln Ser His Leu Ser Glu Ala
50 55

<210> 5971

<211> 184

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (183)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5971

Glu Lys Lys Lys Thr Leu Lys Lys Lys Ile Pro Lys Tyr His Gln Pro
1 5 10 15

Arg Lys Glu Lys Arg Arg Gln Lys Pro Leu Gly Gly Phe Gly Lys Glu
20 25 30

Ser Lys Glu Lys Glu Pro Lys Thr Lys Gly Lys Asp Ala Lys Asp Gly
35 40 45

Lys Lys Asp Ser Ser Ala Ala Gln Pro Gly Val Ala Phe Ser Val Asp
50 55 60

5247

Asn Thr Ile Lys Arg Pro Asn Pro Ala Pro Gly Thr Arg Lys Lys Ser
65 70 75 80

Ser Asn Ala Glu Val Ile Lys Glu Leu Asn Lys Cys Arg Glu Glu Asn
85 90 95

Ser Met Arg Leu Asp Leu Ser Lys Arg Ser Ile His Ile Leu Pro Ser
100 105 110

Ser Ile Lys Glu Leu Thr Gln Leu Thr Glu Leu Tyr Leu Tyr Ser Asn
115 120 125

Lys Leu Gln Ser Leu Pro Ala Glu Val Gly Cys Leu Val Asn Leu Met
130 135 140

Thr Leu Ala Leu Ser Glu Asn Ser Leu Thr Ser Leu Pro Asp Ser Leu
145 150 155 160

Asp Asn Leu Lys Lys Leu Arg Met Leu Asp Leu Arg His Asn Lys Leu
165 170 175

Arg Glu Ile Pro Ser Val Xaa Val
180

<210> 5972

<211> 58

<212> PRT

<213> Homo sapiens

<400> 5972

Ala His Pro Thr Arg Asn Tyr Val Lys Lys Lys Phe Lys Lys Glu Phe
1 5 10 15

Lys Gly Asp Tyr Ser Val Thr Val Thr Pro Gly Lys Leu Arg Thr Leu
20 25 30

Cys Glu Ile Asp Trp Pro Ala Leu Glu Val Gly Trp Pro Ser Glu Gly
35 40 45

Ser Leu Asp Arg Ser Leu Val Ser Lys Val
50 55

<210> 5973

<211> 35

<212> PRT

<213> Homo sapiens

5248

<400> 5973

Gly Gln Gln Phe Glu Thr Ser Leu Thr Ile Ser Thr Lys Cys Thr Lys
1 5 10 15

Val Ser Trp Ala Trp Trp Arg Ala Pro Val Ile Pro Ala Thr Trp Glu
20 25 30

Thr Asp Ala
35

<210> 5974

<211> 86

<212> PRT

<213> Homo sapiens

<400> 5974

Arg Asn Ser Gly Phe Cys Cys Asn Arg Phe Ile Phe Leu Leu Phe Ser
1 5 10 15

Pro Ile Leu Ala Gln Ser Gly Ala Ile Val Leu Leu Val Arg Pro Ser
20 25 30

Leu Lys Met Arg Ser Arg Glu Ala Gly Pro Lys Leu Arg Arg Ile Gln
35 40 45

Glu Pro Ala Asn Gly Ser Pro Gly Ala Val Ser Glu Thr Gly Gly Tyr
50 55 60

Arg Glu Glu Arg Leu Ser Asp Ala Glu Ile Met Gly Lys Leu Leu Ala
65 70 75 80

Trp Leu Ala Val Gly Met
85

<210> 5975

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

5249

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5975

Ile	Phe	Ser	Asn	Leu	Val	Phe	Phe	Tyr	Ile	Ile	Ile	Ala	Ser	Leu	Lys
1				5					10					15	

Ile	Val	Leu	Gln	Ala	Xaa	His	Gly	Trp	Val	Thr	Pro	Val	Tyr	Leu	Thr
			20					25					30		

Leu	Trp	Glu	Ala	Glu	Ala	Gly	Lys	His	Leu	Lys	Ser	Gly	Xaa	Gln	Asn
		35					40						45		

Asn	Pro	Gly	His	Trp
				50

<210> 5976

<211> 27

<212> PRT

<213> Homo sapiens

<400> 5976

Cys	Leu	Gly	Ala	Tyr	Ala	Asp	Tyr	Ser	Leu	Arg	Gly	Gly	Val	Glu	Arg
1				5					10					15	

Arg	Arg	Arg	Tyr	Ala	Gly	Arg	Arg	Val	Leu	Cys
			20				25			

<210> 5977

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

5250

<400> 5977

Val Ser Arg Leu Val Ser Lys Glu Phe Ser Lys Ser Trp Ser Cys Gly
1 5 10 15
Gly Cys Ser Tyr Ala Ala Gly Ala Val Thr Glu Arg Gln Glu Gly Leu
20 25 30
Gly Gly Lys Gly Arg Arg Leu Asn Gln Ala Pro Ala Trp Thr Trp Ala
35 40 45
Cys Val Leu Xaa Ser His Leu Ser Ser Arg Thr Gln Val Gly Lys Ser
50 55 60
Leu Ser Gly His Xaa Pro Leu Gly Gly Val Gly Leu Ser Val Pro Phe
65 70 75 80
Leu Ala Val Thr Ser Xaa Cys Ala Arg Val Glu
85 90

<210> 5978

<211> 224

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

5251

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (213)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (216)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5978

Ala	Leu	Val	Ser	Val	Leu	Thr	Lys	Glu	Tyr	Glu	Asp	Ala	Val	Ser	Ile
1				5					10					15	

Ala	Thr	Ala	Val	Leu	Val	Val	Val	Thr	Val	Ala	Phe	Ile	Gln	Glu	Tyr
			20				25						30		

Arg	Ser	Glu	Lys	Ser	Leu	Glu	Glu	Leu	Thr	Lys	Leu	Val	Pro	Pro	Glu
		35					40					45			

Cys	Asn	Cys	Leu	Arg	Glu	Gly	Lys	Leu	Gln	His	Leu	Leu	Ala	Arg	Glu
	50					55					60				

Leu	Val	Pro	Gly	Asp	Val	Val	Ser	Leu	Ser	Ile	Gly	Asp	Arg	Ile	Pro
65					70					75					80

Ala	Asp	Ile	Arg	Leu	Thr	Glu	Val	Thr	Asp	Leu	Leu	Val	Asp	Glu	Ser
			85					90					95		

Ser	Phe	Thr	Gly	Glu	Ala	Glu	Pro	Cys	Ser	Xaa	Thr	Asp	Ser	Pro	Leu
			100				105						110		

Thr	Gly	Gly	Gly	Xaa	Leu	Thr	Thr	Leu	Ser	Asn	Ile	Val	Phe	Xaa	Gly
	115						120					125			

Xaa	Leu	Val	Gln	Tyr	Gly	Xaa	Gly	Gln	Gly	Val	Xaa	Ile	Gly	Thr	Gly
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5252

130	135	140
Glu Ser Ser Gln Phe Gly Xaa Xaa Phe Lys Met Met Gln Ala Glu Glu		
145	150	155 160
Thr Pro Lys Thr Pro Leu Gln Lys Ser Met Asp Arg Leu Gly Lys Gln		
	165	170 175
Leu Thr Leu Phe Ser Phe Gly Ile Ile Gly Leu Ile Met Leu Ile Gly		
	180	185 190
Trp Ser Gln Gly Lys Gln Leu Leu Ser Met Phe Thr Ile Gly Val Ser		
	195	200 205
Leu Ala Val Ala Xaa Ile Ser Xaa Gly Ser Ala His Ser Ser Ser Trp		
	210	215 220

<210> 5979

<211> 155

<212> PRT

<213> Homo sapiens

<400> 5979

Pro Cys Cys Ile Trp Lys Ala Lys Trp Gly His Glu Glu Gly Trp Lys
1 5 10 15
Gly Gln Gly Val Met Ala Ala Tyr Leu Val Ser Pro Thr Pro Pro Val
20 25 30
Leu Gly Glu Pro Ser Cys Tyr Thr Gly Ser Ser Pro Arg Ser Ser Phe
35 40 45
Leu Ser Pro Thr Ser Trp Trp Arg Leu Gln Gly Arg Pro Glu Ser Trp
50 55 60
Thr Glu Arg Val Thr Gly Gly Val Gly Asp Lys His Gln Thr Ser Ile
65 70 75 80
Val Cys Pro Asp Leu Gly Val Ile Gly Gly Met Gly Trp Glu Arg Val
85 90 95
Ser Trp Tyr Ser His Gly Leu Ile Phe Phe Val Ser Ile Pro Phe Ile
100 105 110
Ser Leu Cys Leu Asn Arg Gly Gly Gly Val Val Thr Gly Asn Lys Asp
115 120 125

5253

Leu Arg Ser Ser Ala Pro Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 130 135 140

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 145 150 155

<210> 5980

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5980

Ile Arg His Glu Gly Thr Leu Pro Leu Gln Arg Val Arg Ala Leu Leu
 1 5 10 15

His Pro Gln Arg Ser Xaa Ala Lys His Leu Arg Gly His Ala Ser Val
 20 25 30

Arg Pro Cys Arg Cys Asn Glu Cys Xaa Lys Ser Phe Ser Arg Arg Asp
 35 40 45

His Leu Val Arg His Gln Arg Thr His Thr Gly Glu Lys Pro Phe Thr
 50 55 60

Cys Pro Thr Cys Gly Lys Ser Phe Ser Arg Gly Tyr His Leu Ile Arg
 65 70 75 80

His Gln Arg Thr His Ser Glu Lys Thr Ser
 85 90

<210> 5981

<211> 54

<212> PRT

<213> Homo sapiens

<220>

5254

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5981

Phe	Ser	Ser	Pro	Gly	Val	Val	Gly	Arg	Cys	Lys	Leu	Lys	Gly	Thr	Leu
1				5			10					15			

Gly	Gly	Gly	Gly	Arg	Gly	Glu	Asp	Asp	Ser	Asp	Pro	Ser	Pro	Val	Gly
			20				25					30			

Val	Arg	Ile	Thr	Gln	Glu	Leu	Arg	Xaa	Arg	Glu	Glu	Gly	Xaa	Arg	Arg
			35				40					45			

Leu	Gln	Leu	Leu	Gln	Gly
					50

<210> 5982

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5982

Gly	Arg	Gln	Pro	Ala	Pro	Leu	Val	Pro	Pro	Cys	Ser	Ser	Ser	His	Tyr
1				5				10					15		

His	Arg	Pro	His	Thr	Leu	Thr	Arg	Thr	Leu	Thr	His	Arg	Ser	Leu	Gln
			20				25					30			

Arg	Met	Arg	Trp	Gly	Tyr	Asp	Arg	Ser	Leu	Arg	Leu	Val	Ser	Xaa	Ser
			35				40					45			

Leu	Leu	Gln	Pro	Pro	Pro	Gly	Phe	Gln	Pro	Ile	Leu	Phe	Ala	Ala	Gly
			50			55					60				

Val	Pro	Thr	Leu	Pro	Tyr	Ser	Gln	Leu	Leu	Phe	Pro	Ala	Asp	Gly	Glu
			65			70				75					80

Met	Asp	Ser	Ala	Ala	Tyr	Pro	Pro	Thr	Pro	Leu	Gln	Gly	Val	Glu	Asp
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5255

85

90

95

<210> 5983

<211> 78

<212> PRT

<213> Homo sapiens

<400> 5983

Glu Lys Thr Gln Val Cys Asp Ile Ser Val Ile Pro Lys Asn Ile Leu
 1 5 10 15

Gly Phe Leu Phe Val Phe Leu Phe Phe Gly Phe Phe Phe Phe Thr Ala
 20 25 30

Glu Asn Trp Trp Tyr Phe His Ile His Ser Val Ser Ile Gln Phe Gln
 35 40 45

Tyr Pro His Leu Met Arg Lys Lys Cys Phe Thr Asn Glu Gly Gly Ile
 50 55 60

Leu Lys Leu Ala Val Met Leu Gly Trp Arg Lys Phe Gly Ile
 65 70 75

<210> 5984

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5984

Lys Ile Thr Met Trp Met Ala Val Ser His Ile Thr Asp Val Glu Ser
 1 5 10 15

Ile Ile Leu Tyr Leu Tyr Phe Gln Ile Asn Lys Phe Val Lys Gly Phe
 20 25 30

His Pro Leu Leu Trp Ser Arg Lys Met Leu Glu Ile Tyr Ile Xaa Ile
 35 40 45

Asp Thr Tyr Ile Cys Ile Tyr Ile Lys Lys Ile Leu Thr Thr Lys Val

5256

50 55 60
 Pro Glu Pro Pro Ser Lys Val Leu Tyr Tyr Cys Ile Leu Tyr Ile Met
 65 70 75 80
 Tyr His Pro Met Trp Asn Leu
 85

 <210> 5985
 <211> 101
 <212> PRT
 <213> Homo sapiens

 <400> 5985
 Asp Lys Ser Ile Lys Asn Lys Ala Glu Arg Glu Arg Arg Val Arg Glu
 1 5 10 15
 Leu Asn Ser Ser Asn Thr Lys Lys Phe Leu Glu Glu Arg Lys Arg Leu
 20 25 30
 Ala Met Lys Gln Ser Lys Glu Met Asp Gln Leu Lys Lys Val Gln Leu
 35 40 45
 Glu His Leu Glu Phe Leu Glu Lys Gln Asn Glu Gln Leu Leu Lys Ser
 50 55 60
 Cys His Ala Val Ser Gln Thr Gln Gly Glu Gly Asp Ala Ala Asp Gly
 65 70 75 80
 Glu Ile Gly Ser Arg Asp Gly Pro Gln Thr Ser Asn Ser Ser Met Lys
 85 90 95
 Leu Gln Asn Ala Asn
 100

<210> 5986
 <211> 216
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 5986
 Lys Ser Ser Arg Gly Asn Thr Gln Ala Thr Ser His Ser Phe Asp Val

5257

1	5	10	15
Arg Val Leu Thr Gln Leu Leu Leu Asn Ser Asp His Arg Ser Thr Ala	20	25	30
Thr Val Gln Ile Cys Ser Gly Ser Val Asn Leu Lys Gly Ala Val Lys	35	40	45
Cys Arg Ala Tyr Ile His Ser Ser Lys Pro Lys Val Lys Asp Ala Val	50	55	60
Gln Ala Val Lys Arg Asp Ile Leu Asn Thr Val Ala Asp Arg Cys Glu	65	70	75
Met Leu Phe Glu Asp Leu Leu Leu Asn Glu Ile Pro Glu Lys Lys Xaa	85	90	95
Ser Glu Lys Glu Phe His Val Leu Pro Tyr Arg Val Phe Val Pro Leu	100	105	110
Pro Gly Ser Thr Val Met Leu Cys Asp Tyr Lys Phe Asp Asp Glu Ser	115	120	125
Ala Glu Glu Ile Arg Asp His Phe Met Glu Met Leu Asp His Thr Ile	130	135	140
Gln Ile Glu Asp Leu Glu Ile Ala Glu Glu Thr Asn Thr Ala Cys Met	145	150	155
Ser Ser Ser Met Asn Ser Gln Ala Ser Leu Asp Asn Thr Asp Asp Glu	165	170	175
Gln Pro Lys Gln Pro Ile Lys Thr Thr Met Leu Leu Lys Ile Gln Gln	180	185	190
Asn Ile Gly Val Ile Ala Ala Phe Thr Val Ala Val Leu Ala Ala Gly	195	200	205
Ile Ser Phe His Tyr Phe Ser Asp	210	215	

<210> 5987

<211> 67

<212> PRT

<213> Homo sapiens

<400> 5987

Pro Phe Leu Val Ser Val Phe Pro Gly Glu Asn Glu Ala Lys Gln Glu	1	5	10	15
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5258

Phe Gly Phe Leu Leu Met Ser Ser Tyr Thr Ile His Ser Val Asn Phe
 20 25 30

Glu Lys Ile Tyr Pro Pro Phe Ser Leu Leu Gly Asp Ile Asn Tyr Ser
 35 40 45

Gln Glu Glu Tyr Asn Glu Leu Tyr Ser Tyr Phe Asp Leu Leu Lys Arg
 50 55 60

Cys Tyr Gln
 65

<210> 5988

<211> 162

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5988

Pro Ala Glu Leu Lys Cys Ala Val Thr Ser Gln Cys Glu Phe Leu Pro
 1 5 10 15

Asn Ser Arg Ala Tyr His Leu Lys Lys Glu Arg Thr Glu Glu Gln Thr
 20 25 30

Lys Val Leu Arg Asn Glu Thr His Leu Phe Ser Leu Lys Ala Leu Arg
 35 40 45

Gly Gly Arg Arg Pro Ala Gln Ala Gly Gly Gly Phe Gly Gln Ser Glu

5259

50 55 60
 Asp Pro Ala Arg Thr Leu Val Arg Trp Xaa Ala Ala His Leu Leu Arg
 65 70 75 80
 Ile Leu Leu Glu Ser Cys Ser Pro Arg Gly Leu Leu Xaa Xaa Trp Xaa
 85 90 95
 Lys Glu Ala Ala Trp Cys Gly Val Thr Gln Ile Ser Ile Pro Ile Cys
 100 105 110
 Cys Thr Phe Thr Leu Gln Gly Thr Cys Phe Lys Thr Asp Pro Gln Gln
 115 120 125
 Val Leu Glu Lys Cys Ile Gln Ser Glu Asp Val Cys Val Ser Val Tyr
 130 135 140
 Ile Gln Ser Ser Val Thr His Ala Pro Gln Ile Ala Ala Lys Ile Pro
 145 150 155 160
 Arg His

<210> 5989

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5989

Asn Cys Ala Phe Ser Gly Leu Leu Ser Ser Ile Pro Ser Phe Ser Leu
 1 5 10 15

Leu Ser Ser Phe Gln His Val Thr Val Lys Ala Phe Ser Leu Ile Phe
 20 25 30

Tyr His Cys Glu Tyr Val Pro Phe Glu Asn Pro Phe Ala Val Ile Phe
 35 40 45

Val Gly Phe Gly Glu Glu Ala Val Val Asn Ala Cys Ile Ile Leu Ser

5260

50 55 60
 Ser Lys Cys Ser Met Leu Ala Leu Leu Ile Ser Gly Asp Val Arg Xaa
 65 70 75 80
 Gln Leu Leu Ser Leu Xaa Lys
 85

<210> 5990

<211> 71

<212> PRT

<213> Homo sapiens

<400> 5990

Arg Pro Ala Glu Asp Val Leu Gln Val Arg Glu Thr Gly Pro Gly Asn
 1 5 10 15

Pro Ala Val Thr Glu Asp Tyr Ile Glu Phe Glu Asn Val Gly Ile Phe
 20 25 30

Glu Asn Ala Pro Pro Lys Lys Leu Leu Met Ser Ser Gly Asn Val Arg
 35 40 45

Arg Leu Ile Tyr Thr Asp Thr Ala Glu Glu Lys Gly Arg Arg Ile Lys
 50 55 60

Asp Pro Val Leu Leu Pro Gly
 65 70

<210> 5991

<211> 217

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

5261

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5991

Gly	Tyr	Trp	Thr	Phe	Asp	Met	Glu	Cys	Tyr	Lys	Lys	Tyr	Arg	Lys	Val
1				5					10					15	

Trp	Gly	Ile	Tyr	Asp	Cys	Gln	Gln	Pro	Met	Leu	Ala	Ile	Thr	Asp	Pro
			20					25					30		

Asp	Met	Ile	Lys	Thr	Val	Leu	Val	Lys	Glu	Cys	Tyr	Ser	Val	Phe	Thr
		35					40					45			

Asn	Arg	Xaa	Pro	Phe	Gly	Pro	Val	Gly	Phe	Met	Lys	Asn	Ala	Ile	Ser
	50					55					60				

Ile	Ala	Glu	Asp	Glu	Glu	Trp	Lys	Arg	Ile	Arg	Ser	Leu	Leu	Ser	Pro
65					70					75					80

Thr	Phe	Thr	Ser	Gly	Lys	Leu	Lys	Glu	Met	Phe	Pro	Ile	Ile	Ala	Gln
				85					90					95	

Tyr	Gly	Asp	Val	Leu	Val	Arg	Xaa	Leu	Arg	Arg	Glu	Ala	Glu	Lys	Gly
			100					105					110		

Lys	Pro	Val	Thr	Leu	Lys	Asp	Xaa	Phe	Gly	Ala	Tyr	Ser	Met	Asp	Val
		115					120					125			

Ile	Thr	Xaa	Thr	Ser	Phe	Gly	Val	Xaa	Ile	Asp	Ser	Leu	Asn	Asn	Pro
	130					135					140				

Gln	Asp	Pro	Phe	Val	Glu	Ser	Thr	Lys	Lys	Phe	Leu	Lys	Phe	Gly	Phe
145					150					155					160

Leu	Asp	Pro	Leu	Phe	Leu	Ser	Ile	Ile	Leu	Phe	Pro	Phe	Leu	Thr	Pro
			165						170					175	

Val	Phe	Glu	Ala	Leu	Asn	Val	Ser	Leu	Phe	Pro	Lys	Asp	Thr	Ile	Asn
			180					185					190		

Phe	Leu	Ser	Lys	Ser	Val	Asn	Arg	Met	Lys	Lys	Ser	Arg	Leu	Asn	Asp
			195				200					205			

5262

Lys Gln Lys Val Lys Ser Asp Gly Gly
 210 215

<210> 5992

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5992

Val Pro Pro Ala Cys Cys Ala Ser Arg Val Ala Arg Leu Gly Phe Ser
 1 5 10 15

Arg Cys Thr Cys Pro Arg Trp Pro Gly Pro Xaa Ala Xaa Arg Ala Ala
 20 25 30

Ala Gly Ala Leu Pro Arg Gly Gln Val Arg Ile Trp Pro Arg Ser His
 35 40 45

Pro Ser Ser Thr Ala Arg Thr Pro His Ser Leu Pro Gln Ser Ile Cys
 50 55 60

Leu Ser Pro Met Gly Lys Leu Ile Asn Phe Ala Leu Asp
 65 70 75

<210> 5993

<211> 68

<212> PRT

<213> Homo sapiens

<400> 5993

Lys Met Leu Asn Arg Phe His Asp Cys Leu Leu Glu Asp Phe Lys Val
 1 5 10 15

His Cys Gly Ser Ser Arg Arg Asn Pro Val Asn His Ser Ser His Leu
 20 25 30

5263

Pro Thr Gly Leu Phe Ser Asn Gly Ala Ser Cys Glu Ala Ser Gly Phe
 35 40 45

Phe Cys Cys Cys Tyr Leu Phe Phe Phe Asn Ala Leu Glu Asn Thr
 50 55 60

Ala Leu Gly Tyr
 65

<210> 5994
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 5994
 Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Leu Leu Ser Pro Ala
 1 5 10 15

Leu Pro Cys Thr Val His Ser Ser Ser Thr Met Ala Ser Arg Thr Pro
 20 25 30

Arg Asn Cys Ala Val Leu Lys Gly Glu Val Asp Leu Thr Ala Leu Ala
 35 40 45

Lys Glu Leu Arg Ala Val Glu Asp Val Arg Pro Pro His Lys Val Thr
 50 55 60

Asp Tyr Ser Ser Ser Ser Glu Glu Ser Gly Thr Thr Asp Glu Glu Asp
 65 70 75 80

Asp Asp Val Glu Gln Glu Gly Ala Asp Glu Ser Thr Ser Gly Pro Glu
 85 90 95

Asp Thr Arg Ala Ala Ser Ser Leu Asn Leu Ser Asn Gly Glu Thr Glu
 100 105 110

Ser Val Lys Thr Met Ile Val His Asp Asp Val Glu Ser Glu Pro Ala
 115 120 125

<210> 5995
 <211> 52
 <212> PRT
 <213> Homo sapiens

5264

<400> 5995

His Ser Leu Lys Tyr Ile Tyr Leu Ile Thr Phe Tyr Asn Lys Glu Leu
 1 5 10 15

Leu Ser Pro Asn Val Ile Ser Ala His Phe Glu Ile Pro Cys Tyr Arg
 20 25 30

Trp Ser Leu Gln Thr Arg Lys Tyr Ser Ser Tyr Tyr Val Tyr Thr Leu
 35 40 45

Val Leu Val Leu
 50

<210> 5996

<211> 75

<212> PRT

<213> Homo sapiens

<400> 5996

Ile Ser Pro Gly Gln Ser Gly Met Leu Thr Gly Thr Asn Val Arg Asn
 1 5 10 15

Cys Ile Val His Cys Thr Cys Cys Pro Val Pro Gln Ala Cys Gln Cys
 20 25 30

Leu Glu Ile Leu Phe Gly Leu Leu Lys Pro Leu Phe Ile Glu Asn Phe
 35 40 45

Cys Pro Tyr Arg Ser Val Cys Met Gly Leu Gly Lys Ser Thr Cys Val
 50 55 60

Tyr Leu Ser Ser Glu Ala Gln Ile His Ser Asn
 65 70 75

<210> 5997

<211> 63

<212> PRT

<213> Homo sapiens

<400> 5997

Pro Asp Leu Phe Ala His Arg Glu Val Pro Leu Ser Leu His Gly Leu
 1 5 10 15

Ser Asp Leu Ile Pro Pro His Ser Gln Phe Gln Val Val Glu Gln Asp
 20 25 30

Glu Ala Ala Pro Ser Pro Leu Pro His Pro Asp Ser Ala Ala Glu Phe

5265

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35              40              45
Ile Pro Gln Glu Arg Gly Ser Thr Asp Ser Val His Ala Cys Gly
  50              55              60

<210> 5998
<211> 226
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (216)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (218)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5998
Xaa Ser Ala Ser Leu Xaa Glu Gln Lys Leu Glu Leu His Arg Gly Gly
  1              5              10              15
Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr
      20              25              30
Arg Ser Gly Gly Pro Arg Leu Pro Gln Ala Gln Lys Thr Ala Ala Leu
      35              40              45

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5266

Pro Arg Thr Arg Gly Ala Gly Leu Leu Glu Ser Glu Leu Arg Asp Gly
 50 55 60
 Ser Gly Lys Lys Val Ala Val Ala Asp Val Gln Phe Gly Pro Met Arg
 65 70 75 80
 Phe His Gln Asp Gln Leu Gln Val Leu Leu Val Phe Thr Lys Glu Asp
 85 90 95
 Asn Gln Cys Asn Gly Phe Cys Arg Ala Cys Glu Lys Ala Gly Phe Lys
 100 105 110
 Cys Thr Val Thr Lys Glu Ala Gln Ala Val Leu Ala Xaa Phe Leu Asp
 115 120 125
 Lys His His Asp Ile Ile Ile Ile Asp His Arg Asn Pro Arg Gln Leu
 130 135 140
 Asp Ala Glu Ala Leu Cys Arg Ser Ile Arg Ser Ser Lys Leu Ser Glu
 145 150 155 160
 Asn Thr Val Ile Val Gly Val Val Arg Xaa Val Asp Arg Glu Glu Leu
 165 170 175
 Ser Val Met Pro Phe Ile Ser Ala Gly Phe Thr Arg Arg Tyr Val Glu
 180 185 190
 Asn Pro Asn Ile Met Ala Cys Tyr Asn Glu Leu Leu Gln Leu Glu Phe
 195 200 205
 Gly Glu Gly Ala Ile Thr Thr Xaa Thr Xaa Gly Leu Leu Leu Lys Tyr
 210 215 220
 Ser Leu
 225

<210> 5999

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5999

Gly Xaa Val Gly Pro Ser Leu Val Ser Arg Ile Glu Asn Ile Gln Asn

5267

1	5	10	15
Asp Ile Ser Leu Val Ser Phe Glu Gly Asn Asn Gln Arg Trp Ser Thr			
	20	25	30
Gln Leu Leu Val Leu Leu Phe Thr Ile Ser His Leu Val Gln Ser Gly			
	35	40	45
Ser Tyr Ile			
50			

<210> 6000

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6000

Val Leu Asn Ser Met Leu Lys Ser Asn Trp Ile Trp Ser Arg Pro Thr
1 5 10 15

Pro Arg Val Val Ser Gly Val Phe Phe Gln Xaa Leu Ser Gln Thr Thr
20 25 30

Gln Val Xaa Leu Xaa Leu Xaa Ala Ala Leu Trp Xaa Gly Val Glu Gly

5268

[illegible]

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<210> 6001
<211> 146
<212> PRT
<213> Homo sapiens
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<400> 6001
Arg Cys Pro Ile Ala Ser Glu Val Pro Trp Thr Ile Thr Glu Ala Glu
1 5 10 15

Leu Arg Val Thr Leu Thr Val Glu Gly Lys Ser Ile Pro Cys Leu Ile
20 25 30

Asp Thr Gly Ala Thr His Ser Thr Leu Pro Ser Phe Gln Gly Pro Val
35 40 45

Ser Leu Ala Pro Ile Thr Val Val Gly Ile Asp Gly Gln Ala Ser Lys
50 55 60

Pro	Leu	Lys	Thr	Pro	Pro	Leu	Trp	Cys	Gln	Leu	Gly	Gln	His	Ser	Phe
65					70					75					80

Met His Ser Phe Leu Val Ile Pro Thr Cys Pro Leu Pro Leu Leu Gly
85 90 95

Arg Asn Ile Leu Thr Lys Leu Ser Ala Ser Leu Thr Ile Pro Gly Val
100 105 110

Gln Leu His Leu Ile Ala Ala Leu Leu Pro Asn Pro Lys Pro Pro Leu
115 120 125

Cys Pro Leu Thr Ser Pro Gln Tyr His Pro Leu Pro Gln Asp Leu Pro
130 135 140

Ser Ala
145

5269

<210> 6002

<211> 111

<212> PRT

<213> Homo sapiens

<400> 6002

Ile	Pro	Tyr	Ser	Ala	Tyr	Ile	Lys	Ser	Lys	Met	Trp	Gly	Arg	Ser	Leu
1				5					10					15	

Leu	Leu	Pro	Gly	Gly	Asp	Gly	Ser	Pro	Leu	Thr	Leu	Leu	Gly	Glu	Gly
			20					25					30		

Gly	Ser	Cys	Trp	Pro	Val	Gly	Met	Lys	Val	Leu	Ala	Pro	His	Leu	Val
		35						40				45			

Phe	Pro	Asp	Thr	Thr	Ala	Val	Gly	Cys	Trp	Gly	Ala	Pro	Leu	Gln	Pro
	50						55				60				

Phe	Glu	Cys	Gly	Ile	Leu	Gly	Ser	Pro	Leu	Asp	Leu	Pro	Trp	Cys	Gly
65					70					75					80

Gln	Arg	Phe	Phe	Leu	Trp	Cys	Leu	Leu	Gly	Val	Glu	Gln	Leu	Ser	Ser
				85					90					95	

Lys	Ser	Phe	Leu	Ser	Cys	Trp	Asp	Val	Leu	Phe	Trp	Ser	Phe	Ser
			100					105					110	

<210> 6003

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6003

Arg	Trp	Ala	Leu	Asp	Leu	Leu	Ile	Leu	Val	Lys	Trp	Val	Trp	Asp	Leu
1				5					10					15	

Leu	Thr	Phe	Val	Leu	Arg	Arg	Asp	Arg	Pro	Gly	Lys	Glu	Leu	Gly	Glu
			20					25					30		

Val	Ser	Ser	Lys	Glu	Arg	Gly	Val	Gly	Thr	Arg	Met	Glu	Glu	Ser	Gly
			35				40					45			

Leu	Gln	Ile	Ala	Phe	Thr	Ser	Pro	Phe	Phe	Leu	Glu	Ser	Leu	Ser	Xaa
	50						55				60				

5270

Arg
65

<210> 6004

<211> 427

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (301)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6004

Ala Ala Cys Cys Phe Ser Cys Trp Ala Ser Ser Gly Phe Ala Phe Val
1 5 10 15

Ala Ser Glu Pro Leu Ala Phe Lys Pro Leu Ser Leu Leu Leu Pro His
20 25 30

Thr Pro Leu Ser Leu Thr Pro Leu Phe Cys Cys Pro Val Thr Cys Pro
35 40 45

Lys Leu Cys Pro Glu Leu Arg Thr Phe Pro Phe Leu Ser Leu Glu Pro
50 55 60

Phe Phe Asp Ser Thr Lys Pro Ser Trp Tyr Pro Gly Met Thr Arg Leu
65 70 75 80

Leu Asp Ala Glu Trp Trp Arg Arg Ser Glu Ala Gly His Leu Arg Arg
85 90 95

Gln Val Ala Ala Val Leu Phe Phe Pro Glu Gly Thr Cys Ser Asn Lys
100 105 110

Lys Ala Leu Leu Lys Phe Lys Pro Gly Ala Phe Ile Ala Gly Val Pro
115 120 125

Val Gln Pro Val Leu Ile Arg Tyr Pro Asn Ser Leu Asp Thr Thr Ser
130 135 140

Trp Ala Trp Arg Gly Pro Gly Val Leu Lys Val Leu Trp Leu Thr Ala
145 150 155 160

Ser Gln Pro Cys Ser Ile Val Asp Val Glu Phe Leu Pro Val Tyr His
165 170 175

Pro Ser Pro Glu Glu Ser Arg Asp Pro Thr Leu Tyr Ala Asn Asn Val

5271

	180		185		190
Gln Arg Val Met Ala Gln Ala Leu Gly Ile Pro Ala Thr Glu Cys Glu					
195		200		205	
Phe Val Gly Ser Leu Pro Val Ile Val Val Gly Arg Leu Lys Val Ala					
210		215		220	
Leu Glu Pro Gln Leu Trp Glu Leu Gly Lys Val Leu Arg Lys Ala Gly					
225		230		235	240
Leu Ser Ala Gly Tyr Val Asp Ala Gly Ala Glu Pro Gly Arg Ser Arg					
	245		250		255
Met Ile Ser Gln Glu Glu Phe Ala Arg Gln Leu Gln Leu Ser Asp Pro					
	260		265		270
Gln Thr Val Ala Gly Ala Phe Gly Tyr Phe Gln Gln Asp Thr Lys Gly					
	275		280		285
Leu Val Asp Phe Arg Asp Val Ala Leu Ala Leu Ala Xaa Leu Asp Gly					
	290		295		300
Gly Arg Ser Leu Glu Glu Leu Thr Arg Leu Ala Phe Glu Leu Phe Ala					
305		310		315	320
Glu Glu Gln Ala Glu Gly Pro Asn Arg Leu Leu Tyr Lys Asp Gly Phe					
	325		330		335
Ser Thr Ile Leu His Leu Leu Leu Gly Ser Pro His Pro Ala Ala Thr					
	340		345		350
Ala Leu His Ala Glu Leu Cys Gln Ala Gly Ser Ser Gln Gly Leu Ser					
	355		360		365
Leu Cys Gln Phe Gln Asn Phe Ser Leu His Asp Pro Leu Tyr Gly Lys					
	370		375		380
Leu Phe Ser Thr Tyr Leu Arg Pro Pro His Thr Ser Arg Gly Thr Ser					
385		390		395	400
Gln Thr Pro Asn Ala Ser Ser Pro Gly Asn Pro Thr Ala Leu Ala Asn					
	405		410		415
Gly Thr Val Gln Ala Pro Lys Gln Lys Gly Asp					
	420		425		

<210> 6005

<211> 68

5272

<212> PRT

<213> Homo sapiens

<400> 6005

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Ile Tyr Thr Asn Arg Lys Leu Gly Thr Asn Leu Leu Cys Leu Trp Leu
 1             5             10             15

Leu Tyr Asn Tyr Gln Gly Lys Gly Asn Leu Pro Ile Lys Tyr Lys Val
             20             25             30

Val Lys Phe Lys Ile Thr Ile Ile Asn Asn Val Leu Leu Leu Gln Asn
             35             40             45

Glu Met Leu Gly Leu Ile Ile Glu Gly Ser Ser Thr Val Glu Ile Glu
             50             55             60

Leu Asn Gly Ser
             65

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<210> 6006

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6006

```

Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Val Lys Leu Xaa Phe
 1             5             10             15

Xaa Tyr Gln Tyr Met His Val Leu Cys Met Ser Ser Thr Cys Val Asp
             20             25             30

Thr Pro Val Asp Val Lys Leu Leu Tyr Asn Ile Asn Ser Met Cys Phe
             35             40             45

Tyr Ile Ser Leu Cys Lys Phe Asn Ile Thr Tyr Ala Val Ile Asn His
             50             55             60

Leu Phe Tyr Cys Cys
             65

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5273

<210> 6007

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6007

Gln Met Glu Gly Tyr Phe Ser Val Leu Ala Phe Gln Leu Tyr Val Gly
1 5 10 15

Lys Leu Pro Val Leu Leu Gln Val Gln Ser Thr Leu Asp Asp Leu Ser
20 25 30

Ile Asn Tyr Ser Gly Cys Asn Ser Pro Lys Xaa Ser Ser Tyr Ile Phe
35 40 45

Trp Leu Ile Pro Pro His Leu Ser Ile Gln Ser Asp Gly Lys Arg Gly
50 55 60

5274

Arg Trp Ile Leu Met Ser Cys Xaa Leu Xaa Pro Tyr Phe Gln Val Leu
 65 70 75 80

Trp Trp Xaa Arg Xaa Asn Ile Cys Gln Xaa Ser Gly Phe Leu Ala Arg
 85 90 95

Cys

<210> 6008

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6008

Ile Ile Leu Tyr Gln Gly Gln Arg Asp Phe Cys Arg Thr Ser Pro Leu
 1 5 10 15

Glu Glu Leu Ser Leu Gly Arg Asn Thr Arg Ile Asn Ile Ser Thr Tyr
 20 25 30

Ser Ser Pro Lys Asn Phe Pro Pro His Tyr Ser His Leu Pro Ile Asn
 35 40 45

Asn Leu Leu Trp Val Asn Ile Gln His Ser Val Leu Val Gln Ser Ile
 50 55 60

Cys Ser Ala Ile Thr Val Xaa Ser Thr Xaa
 65 70

<210> 6009

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5275

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6009

Met	Pro	Gly	Ile	Val	Cys	Lys	Gly	Ile	Val	Asp	Asn	Lys	Val	Ile	Leu
1				5					10					15	

Met	Thr	Arg	Xaa	Lys	Ser	Phe	Leu	Leu	Ser	Leu	Ile	Arg	Pro	Leu	Val
			20					25					30		

Gly	Trp	Gly	Val	Gly	Arg	Arg	Val	Val	Leu	Thr	Glu	Ser	Phe	Lys
		35					40					45		

<210> 6010

<211> 150

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6010

Gly	Val	Tyr	Leu	Asn	Val	Leu	Pro	Ser	Pro	Phe	Pro	Ser	Arg	Leu	Cys
1				5					10					15	

Ser	Phe	Glu	Gly	Leu	Gly	Val	Cys	Ser	Arg	Pro	Cys	Cys	Leu	Ala	Gln
			20					25					30		

Asn	Met	Leu	Arg	Lys	Val	Leu	Arg	Thr	His	Phe	Phe	Pro	Ile	Lys	Pro
		35					40					45			

Ile	Ser	Phe	Pro	Asn	His	Lys	Gly	Val	Cys	Asp	Ser	Ser	Pro	Arg	Glu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5276

50		55		60
Thr Lys Glu Leu Gln Xaa Gly Val Trp Phe Ser Pro Val Gln Thr His				
65		70		75
Pro Glu Leu Xaa Arg Cys Leu Ser Asn Thr Leu Ser Leu Pro Lys Gln				
	85		90	95
Pro Val Gln Thr Phe Ser Leu Gly His Glu Ala Pro Arg Val Leu Pro				
	100		105	110
Val Pro Xaa Ser Asp Ala Tyr Leu Ser Ala Glu Pro Gln Asn Leu Cys				
	115		120	125
Ser Gly Asn Ala Val His Leu Leu Ser Val Gly Ser Glu His Ile Val				
	130		135	140
Leu Xaa Asp Thr Ser Phe				
145		150		

<210> 6011

<211> 79

<212> PRT

<213> Homo sapiens

<220>

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<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

5277

<400> 6011

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Val Leu Arg Met Gln His Gly Ser Gly Phe Gly Ile Xaa Phe Asn Ala
 1             5             10             15

Thr Asp Ala Leu Arg Cys Val Asn Asn Tyr Gln Gly Met Leu Lys Val
          20             25             30

Ala Cys Ala Glu Glu Trp Gln Glu Ser Arg Thr Glu Gly Glu His Ser
          35             40             45

Lys Glu Val Ile Lys Pro Tyr Asp Trp Thr Tyr Xaa Xaa Asp Tyr Lys
          50             55             60

Gly Xaa Leu Leu Gly Glu Ser Leu Lys Leu Lys Val Xaa Ser Ile
          65             70             75

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<210> 6012

<211> 81

<212> PRT

<213> Homo sapiens

<400> 6012

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Ile Phe Arg Ser Asp Phe Leu Leu His Phe Tyr Leu Thr Lys Glu Thr
 1             5             10             15

Gly His Thr Pro Trp Phe Arg Asp Val Val Ile Ala Tyr Leu Pro Val
          20             25             30

Phe Lys Lys Cys Phe Leu Gln Leu Leu Ser Thr Thr Val Leu Ser Leu
          35             40             45

Met Asn Thr Val Val Ser His Pro Asn Ser Cys Thr Glu Ile Ile Ser
          50             55             60

His Glu Ser Phe Ser Asn Ile Ser Asn Glu Ser Phe Ser Asn Leu Gly
          65             70             75             80

Ala

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<210> 6013

<211> 112

<212> PRT

<213> Homo sapiens

<220>

5278

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6013

Gln	Leu	Pro	Val	Gln	Gly	His	Gly	Leu	Phe	Gly	Ala	Gln	Glu	Val	Leu
1				5					10					15	

Asn	His	Val	Leu	Arg	Asp	Ile	Glu	Leu	Phe	Met	Gly	Lys	Leu	Glu	Lys
			20					25					30		

Ala	Gln	Ala	Lys	Thr	Ser	Xaa	Lys	Lys	Lys	Phe	Gly	Lys	Lys	Asn	Lys
		35					40					45			

Asp	Gln	Gly	Gly	Leu	Thr	Gln	Ala	Gln	Tyr	Ile	Asp	Cys	Phe	Gln	Lys
	50					55					60				

Ile	Lys	His	Ser	Phe	Asn	Leu	Leu	Gly	Arg	Leu	Ala	Thr	Trp	Leu	Lys
65					70					75				80	

Glu	Thr	Ser	Ala	Pro	Glu	Leu	Val	His	Ile	Leu	Phe	Lys	Xaa	Leu	Asn
				85					90					95	

Phe	Xaa	Leu	Ala	Arg	Cys	Pro	Glu	Ala	Gly	Xaa	Ala	Ala	Gln	Val	Ile
			100					105					110		

<210> 6014

<211> 95

<212> PRT

<213> Homo sapiens

5279

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<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (78)
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5280

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6014

Leu	Glu	Glu	Asp	Ile	Ser	Lys	Lys	Met	Asp	Lys	Asp	Glu	Glu	Ala	Leu
1					5				10					15	

Lys	Ala	Ala	Gln	Ala	Glu	Leu	Xaa	Glu	Ala	Arg	Arg	Gln	Trp	His	His
			20					25					30		

Leu	Gln	Val	Glu	Ile	Glu	Ser	Leu	His	Ala	Val	Glu	Arg	Gly	Leu	Glu
		35					40					45			

Asn	Ser	Leu	His	Ala	Xaa	Glu	Gln	His	Tyr	Gln	Met	Gln	Leu	Gln	Asp
	50					55					60				

Leu	Glu	Thr	Val	Xaa	Xaa	Gly	Leu	Glu	Lys	Glu	Leu	Gln	Xaa	Val	Lys
65					70				75						80

Xaa	Xaa	Xaa	Xaa	Lys	Ala	Ala	Phe	Lys	Xaa	Thr	Xaa	Xaa	Xaa	Phe	
				85				90						95	

<210> 6015

<211> 29

<212> PRT

<213> Homo sapiens

<400> 6015

Leu	Arg	Ala	His	Thr	Val	Arg	His	Glu	Glu	Lys	Val	Pro	Cys	His	Val
1					5					10				15	

Cys	Gly	Lys	Met	Leu	Ser	Pro	Ala	Asp	Pro	Phe	Asn	Phe			
			20					25							

<210> 6016

<211> 53

5281

<212> PRT

<213> Homo sapiens

<400> 6016

Gln Gly Pro Thr Glu Val Lys Glu Gly Gly Trp Glu Cys Tyr Ser Leu

1

5

10

15

Glu Trp Arg Cys Asp Phe Ser Arg Trp Lys Val Val Phe Leu Lys Gly

20

25

30

Ile Gly Arg Ser Arg Phe Leu Leu Ile Gln Ile His Phe Pro Pro Thr

35

40

45

Glu Gly Arg Asn Tyr

50

<210> 6017

<211> 29

<212> PRT

<213> Homo sapiens

<400> 6017

Pro Arg Val Val Phe His Leu Asn Leu His Pro Pro Pro Pro Gly Asp

1

5

10

15

Tyr Phe Glu Ile Asn Leu Arg His Gln Gly Gln Ala Gln

20

25

<210> 6018

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

5282

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6018

Ser Phe His Asn Thr Leu Ala Phe Pro Tyr Leu Tyr Gly Leu Tyr Leu
 1 5 10 15

Val Asn Leu Asn Lys Asn Leu Asp Phe Lys Lys Asn Trp Glu Arg Arg
 20 25 30

Xaa Val Ile Leu Leu Ala Phe Ser Ser Leu Asp Val Gly Ser His Asn
 35 40 45

Ser Asn Ile Glu Gly Lys Phe Cys Phe Cys Lys Ile Gly Leu Lys Leu
 50 55 60

Arg Ser Phe His Glu Arg Xaa Xaa Xaa Thr Cys Thr Ser Ala
 65 70 75

<210> 6019

<211> 59

<212> PRT

<213> Homo sapiens

<400> 6019

Ser Ala Thr Cys Leu Phe Glu Val Leu Tyr Gln Ser Val Thr Arg Ala
 1 5 10 15

Phe Cys Val Cys Ala Ile Leu Cys Leu Ser Phe Lys Val Ala Pro Lys
 20 25 30

Val Ser His Leu Ala Phe Gln Gln Gly His Phe Leu Ser Phe Tyr Asn
 35 40 45

Met Gln Tyr Ile Cys Asn Asp Leu Ala Phe Phe
 50 55

<210> 6020

<211> 62

<212> PRT

<213> Homo sapiens

<400> 6020

Arg Ser His Ile Leu Leu Leu Ser Gly Cys Phe Ser Ile Leu Cys Pro

5283

1 5 10 15
 Phe Pro Gln Gln Gln Val Gly Pro Arg Leu Cys Thr Ala Leu Arg Cys
 20 25 30
 Arg Trp Tyr Arg Asp Asn Cys Leu Asn Ser Cys Ala Asp Phe Cys Asn
 35 40 45
 Ser Ala Val Glu Thr Lys Val Leu Glu Ser Val Leu Ser Met
 50 55 60

<210> 6021

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6021

Ser Gly Gly Ser Ser Val His Leu Ser Asp Pro Val Ala Pro Ser Ser
 1 5 10 15
 Ala Gly Leu Tyr Phe Glu Pro Glu Pro Ile Ser Ser Thr Pro Asn Tyr
 20 25 30
 Leu Gln Arg Gly Glu Phe Xaa Ser Cys Val Ser Cys Glu Glu Asn Ser
 35 40 45
 Ser Cys Leu Asp Gln Ile Phe Asp Ser Tyr Leu Gln Thr Glu Met His
 50 55 60
 Pro Glu Pro Leu Leu Asn Ser Thr Gln Ser Ala Pro His His Phe Pro
 65 70 75 80
 Asp Ser Phe Gln Ala Thr Pro Phe Cys Phe Asn Gln Ser Leu Ile Pro
 85 90 95
 Gly Ser Pro Ser Asn Ser Ser Ile Leu Ser Gly Ser Leu Asp Tyr Ser
 100 105 110
 Tyr Ser Pro Val Gln Leu Pro Ser Tyr Ala Pro Glu Asn Tyr Asn Ser
 115 120 125
 Pro Ala Ser Leu Asp Thr Arg Thr Cys Gly Tyr Pro Pro Glu Asp His
 130 135 140

5284

Ser Tyr Gln His Leu Ser Ser His Ala Gln Tyr Ser Cys Phe Ser Ser
 145 150 155 160

Ala Thr Thr Ser Ile Cys Tyr Cys Ala Ser Cys Glu Ala Glu Asp Leu
 165 170 175

Asp Ala Leu Gln Ala Ala Glu Tyr Phe Tyr Pro Ser Thr Asp Cys Val
 180 185 190

Asp Phe Ala Pro Ser Ala Ala Ala Thr Ser Asp Phe Tyr Lys Arg Glu
 195 200 205

Thr Asn Cys Asp Ile Cys Tyr Ser
 210 215

<210> 6022

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6022

Ser Lys Arg Arg Asp Lys Lys Arg Gly Gly Val Gly Ser Arg Lys Gln
 1 5 10 15

Ser Leu Asn Phe Ser Arg Thr Gln Leu Ser Leu Arg Xaa Asn Phe Leu
 20 25 30

Leu Ser Leu Trp Asp Ala Ile Val Ile Phe Asn
 35 40

<210> 6023

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5285

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6023

Pro Pro Cys Xaa Leu Arg Cys Val Xaa Glu Thr Gly Ser Asn Thr Thr

1

5

10

15

His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro

20

25

30

Gly Ser Thr His Ala Ser Glu Ile Ser Trp Pro Tyr Phe Leu Ser Gly

35

40

45

Asn Leu Leu Thr Met Met Trp

50

55

<210> 6024

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6024

Asp Ala Ile Lys Val Lys Glu Tyr Asn Asn Leu Leu Asn Ala Leu Gln

1

5

10

15

5286

Met Asp Ser Asp Glu Met Lys Lys Ile Leu Ala Glu Asn Ser Arg Lys
 20 25 30

Ile Xaa Val Leu Gln Val Asn Glu Lys Ser Xaa Ile Arg Gln Tyr Xaa
 35 40 45

Xaa Leu Val Glu Leu Glu Arg Gln Leu Xaa Lys Glu Asn Glu Lys Gln
 50 55 60

Lys Asn Glu Leu Leu Ser Met Glu Ala Glu Val Cys Glu Lys Ile Gly
 65 70 75 80

Cys Leu Gln

<210> 6025

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6025

His Val Xaa Asp Val Ile Leu Glu Val Asn Gly Tyr Pro Val Gly Gly
 1 5 10 15

Gln Asn Asp Leu Glu Arg Leu Gln Gln Leu Pro Glu Ala Glu Pro Pro
 20 25 30

Leu Cys Leu Lys Leu Ala Ala Arg Ser Leu Arg Gly Leu Glu Ala Trp
 35 40 45

Xaa Pro Pro Gly Ala Ala Glu Asp Trp Ala Leu Ala Ser Asp Leu Leu
 50 55 60

5287

<210> 6026

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6026

Gly	Ser	Ser	Ser	Leu	Ala	Gly	Trp	Leu	His	Xaa	Pro	Trp	Ala	Pro	Gln
1				5				10					15		

Ile	Ile	Lys	Ser	Thr	Phe	Ser	Val	Ser	Gly	Ile	Cys	Met	Thr	Ser	Leu
		20					25					30			

Glu	Val	Pro	Cys	Trp	Val	Val	Ile	Leu	Val	Ser	Asp	Gly	Thr	His	Leu
		35				40						45			

Asn	Leu	Lys	Tyr	Phe	Cys	Gln	Gly	Ser	Gly	Gly	Phe	Met	Ala	Cys	Ser
	50					55					60				

Ser	Pro	Ala	Leu	Leu	Gly	Arg	Leu	Gln	Arg	Cys	His	Leu	Ala	Leu	Ser
65					70					75				80	

Pro	Lys	Asn	Phe	Glu	Thr	Gln	Pro	Gly	Ala	Xaa	Arg	Gly	Leu	Lys	Xaa
		85						90						95	

Ser	Xaa	Phe	Pro	Phe	Lys	Asn	Tyr	Gln	Lys	Ile	Arg	Pro
		100						105				

<210> 6027

<211> 146

5288

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6027

Arg	Asp	Glu	Asn	Thr	Met	Lys	Asn	Ile	Phe	Ser	Lys	Lys	Arg	Lys	Leu
1				5					10					15	

Glu	Val	Ala	Cys	Ser	Asp	Cys	Glu	Val	Glu	Val	Leu	Pro	Leu	Gly	Leu
			20					25					30		

Glu	Thr	His	Pro	Arg	Thr	Ala	Lys	Thr	Glu	Lys	Cys	Pro	Pro	Lys	Phe
		35					40					45			

Ser	Asn	Asn	Pro	Lys	Glu	Leu	Thr	Met	Glu	Thr	Lys	Tyr	Asp	Asn	Ile
	50					55					60				

Ser	Arg	Ile	Gln	Tyr	His	Ser	Val	Ile	Arg	Asp	Pro	Glu	Ser	Lys	Thr
65					70					75					80

Ala	Ile	Phe	Gln	His	Asn	Gly	Lys	Lys	Met	Glu	Phe	Val	Ser	Ser	Glu
				85					90					95	

Ser	Val	Thr	Xaa	Glu	Asp	Asn	Asp	Gly	Phe	Lys	Pro	Pro	Xaa	Glu	His
			100					105					110		

Leu	Asn	Ser	Lys	Thr	Lys	Gly	Ala	Gln	Lys	Asp	Ser	Ser	Ser	Asn	His
		115					120					125			

Val	Asp	Glu	Phe	Glu	Asp	Asn	Leu	Leu	Ile	Gly	Ile	Gln	Met	Trp	Xaa
	130						135				140				

Arg	Tyr
145	

5289

<210> 6028

<211> 222

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (221)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6028

Lys Ala Pro Ala Ser Thr Cys Pro Arg Arg Pro Thr Gly Ala Ala Cys
 1 5 10 15

Cys Val Asn Trp Arg Ser Pro Lys Gly Pro Gly Arg Pro Pro Gly Ser
 20 25 30

Ala Pro Pro Thr Xaa Ala Gln Arg His Pro Leu Cys Ser Arg Asn Gln
 35 40 45

Pro Pro Thr Leu Pro Arg Thr Arg Pro Gln Ser Pro Ala Ala Pro Ser
 50 55 60

Thr Pro Thr Cys Gln Pro Ala Gly Ser Ser Ala Leu Trp Ser Pro Ser
 65 70 75 80

Ser Thr Cys Leu Pro Ala Pro Ala Trp Val Pro Val Pro Pro Ser Pro
 85 90 95

Arg Thr Trp Thr Met Arg Ala Val Ile Lys Pro Arg Leu Lys Met Lys
 100 105 110

Met Arg Met Ser Ser Arg Met Lys Thr Arg Met Arg Thr Arg Met Arg
 115 120 125

Met Glu Ser Arg Ala Ser Gln Ser Leu Glu Arg Arg Pro Arg Ser Ala
 130 135 140

Thr Pro Trp Thr Trp Ala Thr Val Thr His His Glu Val Pro Thr Ser
 145 150 155 160

His Ser Ile Pro Cys Ser Val Arg Val Ala Ala His His Thr Ser Pro
 165 170 175

Cys Gln Glu Gln Glu Ser Pro Gln Ala Glu Cys Pro Arg Gly Ala Leu
 180 185 190

5290

Leu Arg Leu Ser Arg Glu Pro Val Lys Glu Ile Glu Ile Lys Pro Val
 195 200 205

Leu Leu Gly His Arg Phe Ala Val Leu Lys Lys Lys Xaa Asn
 210 215 220

<210> 6029

<211> 49

<212> PRT

<213> Homo sapiens

<400> 6029

Phe Val Glu Val Gly Met Ile Trp Gln Ser Leu Lys Phe Ile Leu Gly
 1 5 10 15

Arg Arg Trp Gln Lys Ser Gly Val Tyr Gln Val Met Arg Phe Leu Leu
 20 25 30

Thr His Gln Pro Asn Phe Cys Ser Phe Cys Thr Ser Glu Met Lys Lys
 35 40 45

Arg

<210> 6030

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6030

Asp Thr Glu Ala Asp Val Leu Gly Leu Val Ala Ser Gly Thr Pro Asp
 1 5 10 15

Val Ala Arg Ala Met Thr His Thr Leu Leu Arg His Leu Ala Ala Arg
 20 25 30

Pro Pro Thr Gln Ala Gln His Gln His Gln Cys Pro Xaa Cys Leu Leu
 35 40 45

Pro Leu Pro Gly Val Leu Thr Gly Trp Gly Trp Val Trp Gln Lys Ala
 50 55 60

5291

Glu Leu Ser Glu Ala Trp Gly Gln Glu
65 70

<210> 6031

<211> 55

<212> PRT

<213> Homo sapiens

<400> 6031

Asn Asn Phe Tyr Ile Leu Tyr Phe Pro Thr Lys Gln Asn Arg Asp Gln
1 5 10 15

Tyr Ser His Leu Leu Ser Asp His Phe Leu Pro Tyr Gln Gly His Asn
20 25 30

Ser Phe Arg Glu Lys Tyr Phe Ser Gly Val Thr Lys Arg Ile Ala Lys
35 40 45

Glu Glu Lys Ser Thr Gln Glu
50 55

<210> 6032

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

5292

<400> 6032

Val Phe Arg Glu His Arg Xaa Ser Val Ile Cys Leu Glu Leu Val Asn
 1 5 10 15
 Arg Leu Val Tyr Xaa Gly Ser Xaa Asp Arg Thr Val Lys Cys Trp Leu
 20 25 30
 Ala Asp Thr Gly Glu Cys Val Xaa Thr Phe Thr Ala His Arg Arg Asn
 35 40 45
 Val Ser Ala Leu Lys Tyr His Ala Gly Thr Leu Phe Thr Gly Ser Gly
 50 55 60
 Asp Ala Cys Ala Arg Ala Phe Asp Ala Gln Ser Gly Glu Leu Arg Arg
 65 70 75 80
 Val Phe Arg Gly His Thr Phe Ile Ile Asn Cys Ile Gln Val His Gly
 85 90 95
 Gln Val Leu Tyr Thr Ala Ser His Asp Gly Ala Leu Arg Leu Trp Asp
 100 105 110
 Val Arg Gly Leu Arg Gly Ala Pro Arg Ser Pro Pro Pro Met Arg Ser
 115 120 125
 Leu Ser Arg Leu Phe Ser Asn Lys Val Gly Cys Ala Val Ala Pro Leu
 130 135 140
 Gln Pro Ala
 145

<210> 6033

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6033

Gly Asn Arg Ala Arg Leu His Leu Lys Lys Arg Lys Lys Asn Cys Asn
 1 5 10 15
 Ser Tyr Thr Leu Ala Leu Leu Leu Tyr His Cys Val Ile Leu Lys Thr
 20 25 30
 Thr Xaa Ile Tyr Tyr Thr Gly Thr Cys Leu Leu Ser Ile Ser Thr Thr

5293

35 40 45
 Lys Met Glu Ala Pro Thr Ala Ile Arg Leu Ile Ser Leu Pro Gly Pro
 50 55 60
 Ile Leu Ile Met Leu Leu
 65 70

<210> 6034

<211> 162

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6034

Glu His Leu Glu Arg Met Leu Gly Gln Ala Gly Glu Arg Arg Ala Asp
 1 5 10 15
 Val Tyr Val Gly Val Asp Val Phe Ala Arg Gly Asn Val Val Gly Gly
 20 25 30
 Arg Phe Asp Thr Asp Lys Ser Leu Glu Leu Ile Arg Lys His Gly Phe
 35 40 45
 Ser Val Ala Leu Phe Ala Pro Gly Trp Val Tyr Glu Cys Leu Glu Lys
 50 55 60
 Lys Asp Phe Phe Gln Asn Gln Asp Lys Phe Trp Gly Arg Leu Glu Arg
 65 70 75 80
 Tyr Leu Pro Thr His Ser Ile Cys Ser Leu Pro Phe Val Thr Ser Phe
 85 90 95
 Cys Leu Gly Met Gly Ala Arg Arg Val Cys Tyr Gly Gln Glu Glu Ala
 100 105 110
 Val Gly Pro Trp Tyr His Leu Ser Ala Gln Glu Ile Gln Pro Leu Phe
 115 120 125
 Gly Glu His Arg Leu Gly Xaa Asp Gly Arg Gly Trp Val Arg Thr His
 130 135 140
 Cys Cys Leu Glu Asp Ala Trp His Gly Gly Ser Ser Leu Leu Val Arg
 145 150 155 160

5294

Gly Val

<210> 6035

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6035

Lys	Tyr	Tyr	Thr	Cys	Glu	Thr	Asp	Xaa	Glu	Asn	Gln	Cys	Gly	Xaa	Gly
1				5				10					15		

Val	Val	His	Ile	Asn	Tyr	Leu	Xaa	Ser	Thr	Xaa	His	Lys	Ser	Gln	Ala
			20					25					30		

Cys	Lys	Ile	Ser	Gly	Leu	Ala	Pro	Glu	Arg	Gln	Ile	Pro	His	Asp	Leu
		35					40					45			

Thr	Asp	Met	Xaa	Xaa	Leu	Lys	Lys	Ser	Asn	Ser	Glu	Gln	Arg	Val	Glu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5295

50

55

60

<210> 6036

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6036

Gly	Val	Leu	His	Phe	Cys	Gly	Lys	Ser	Pro	Phe	Trp	Arg	Ser	Ser	Thr
1				5					10					15	

Gly	Arg	Phe	Leu	Gly	Cys	Tyr	Asn	Gln	Asp	Phe	Ser	Thr	Thr	Thr	Leu
			20					25					30		

Leu	Val	Phe	Gly	Ala	Arg	Val	Ile	Leu	Cys	Xaa	Trp	Gly	Gly	Gln	Phe
		35					40					45			

Ile	Val	Gly	Cys	Phe	Thr	Ala	Ser	Ile	Pro	Leu	Ser	Tyr	Ser	Leu	Gln
	50					55					60				

Gly	Lys	Thr	Thr	Lys	Asn	Val	Pro	Arg	His	Xaa	Gln	Ile	Ser	Pro	Gly
65					70					75					80

Gly	Gln	Ser	Phe	Ile
				85

<210> 6037

<211> 214

<212> PRT

<213> Homo sapiens

<400> 6037

Leu	Ser	Leu	Arg	Asn	Ala	Lys	Tyr	Ser	Phe	Pro	Gln	Glu	Leu	Ile	Ser
1				5						10				15	

5296

Leu Phe Ser Met Thr Asp Leu Asn Asp Asn Ile Cys Lys Arg Tyr Ile
 20 25 30

Lys Met Ile Thr Asn Ile Val Ile Leu Ser Leu Ile Ile Cys Ile Ser
 35 40 45

Leu Ala Phe Trp Ile Ile Ser Met Thr Ala Ser Thr Tyr Tyr Gly Asn
 50 55 60

Leu Arg Pro Ile Ser Pro Trp Arg Trp Leu Phe Ser Val Val Val Pro
 65 70 75 80

Val Leu Ile Val Ser Asn Gly Leu Lys Lys Lys Ser Leu Asp His Ser
 85 90 95

Gly Ala Leu Gly Gly Leu Val Val Gly Phe Ile Leu Thr Ile Ala Asn
 100 105 110

Phe Ser Phe Phe Thr Ser Leu Leu Met Phe Phe Leu Ser Ser Ser Lys
 115 120 125

Leu Thr Lys Trp Lys Gly Glu Val Lys Lys Arg Leu Asp Ser Glu Tyr
 130 135 140

Lys Glu Gly Gly Gln Arg Asn Trp Val Gln Val Phe Cys Asn Gly Ala
 145 150 155 160

Val Pro Thr Glu Leu Ala Leu Leu Tyr Met Ile Glu Asn Gly Pro Gly
 165 170 175

Glu Ile Gln Ser Ile Phe Pro Ser Ser Thr Pro Leu Pro Gly Cys Val
 180 185 190

Cys Leu Ser Trp Leu His Trp Pro Ala Leu Leu Glu Thr His Gly Leu
 195 200 205

Gln Lys Leu Ala Gln Phe
 210

<210> 6038

<211> 65

<212> PRT

<213> Homo sapiens

<400> 6038

Phe Phe Tyr Asn Thr Lys Val Thr Thr Trp Asn Phe Lys Asp Asn Val
 1 5 10 15

5297

Met Cys Val Cys Glu Ile Tyr Ile His Ile Tyr Ile Tyr Phe Leu Lys
20 25 30

Glu Glu Lys Ile Pro Phe Cys Ser Thr Cys Ile Asn Ser Ser Phe Leu
35 40 45

Ile Ala Val Lys Trp Gln Leu Leu Ile Asn Tyr Cys Asp Cys Phe Lys
50 55 60

Ile
65

<210> 6039

<211> 55

<212> PRT

<213> Homo sapiens

<400> 6039

Lys Ala Gly Phe Arg Gln Ser Val His Phe Tyr Ser Lys Ile Gly Val
1 5 10 15

Ser Val Tyr Ile Tyr Leu Lys Leu Asn Arg Ser Asp Phe Tyr Phe Leu
20 25 30

Gly Tyr Ser Arg Ser Ile Leu Lys Leu Leu Phe Lys Ile Leu Lys Pro
35 40 45

His Phe Lys Ser Cys Arg Pro
50 55

<210> 6040

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6040

Gln Leu Gln Ile Asn Arg Tyr Thr Pro Tyr Thr Ile Thr Asn Thr Phe

5298

1 5 10 15
 Tyr Thr Val His Ile Ser Val His Gln His Tyr Phe Ile Tyr Thr Leu
 20 25 30
 Phe Xaa Xaa Ile Asn Ile Phe Leu Asn Trp Asp Tyr Cys Pro Tyr Ala
 35 40 45
 Leu Tyr Phe Leu Phe Gln
 50

<210> 6041

<211> 77

<212> PRT

<213> Homo sapiens

<400> 6041

Leu Leu Thr Thr Trp Val Lys Gly Lys Arg Gln Met Ala Ser Lys Pro
 1 5 10 15
 Leu Val Cys Leu Ser Ser Ser Gly Ser Glu Glu Ile Thr Ser Ala Phe
 20 25 30
 Leu Pro Glu Glu Phe Gly Val Phe Lys Gly Gly Trp Gly Gly Cys His
 35 40 45
 Phe Glu Asn Met Leu Leu Phe Leu Leu Ile Val Leu Arg Leu Ile Trp
 50 55 60
 Lys Gly Tyr Phe Phe Leu Ala Asn Thr Phe Trp Tyr Phe
 65 70 75

<210> 6042

<211> 218

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (202)

<223> Xaa equals any of the naturally occurring L-amino acids

5299

<220>

<221> SITE

<222> (208)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (216)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6042

His Ile Glu Met Ala Leu Pro Lys Asp Ala Ile Pro Ser Leu Ser Glu
 1 5 10 15

Cys Gln Cys Gly Ile Cys Met Glu Ile Leu Val Glu Pro Val Thr Leu
 20 25 30

Pro Cys Asn His Thr Leu Cys Lys Pro Cys Phe Gln Ser Thr Val Glu
 35 40 45

Lys Ala Ser Leu Cys Cys Pro Phe Cys Arg Arg Arg Val Ser Ser Trp
 50 55 60

Thr Arg Tyr His Thr Arg Arg Asn Ser Leu Val Asn Val Glu Leu Trp
 65 70 75 80

Thr Ile Ile Gln Lys His Tyr Pro Arg Glu Cys Lys Leu Arg Ala Ser
 85 90 95

Gly Gln Glu Ser Glu Glu Val Ala Asp Asp Tyr Gln Pro Val Arg Leu
 100 105 110

Leu Ser Lys Pro Gly Glu Leu Arg Arg Glu Tyr Glu Glu Glu Ile Ser
 115 120 125

Lys Val Ala Ala Xaa Arg Arg Ala Ser Glu Glu Glu Glu Asn Lys Ala
 130 135 140

Ser Glu Glu Tyr Ile Gln Arg Leu Leu Ala Glu Glu Glu Glu Glu Glu
 145 150 155 160

Lys Arg Gln Ala Glu Lys Arg Arg Arg Ala Met Glu Glu Gln Leu Lys
 165 170 175

Ser Asp Glu Glu Leu Ala Arg Lys Leu Ser Ile Asp Ile Asn Asn Phe
 180 185 190

Cys Glu Gly Ser Ile Ser Ala Ser Pro Xaa Glu Phe Gln Lys Asn Xaa
 195 200 205

Val Pro Val Thr Pro Lys Ser Xaa Lys Arg

5300

210

215

<210> 6043

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6043

Trp	Pro	Gly	Xaa	Trp	Thr	Leu	Ala	Thr	Glu	Leu	Leu	His	Arg	Ala	Trp
1				5					10					15	

Cys	Pro	Gln	Ala	Ser	Arg	Leu	Gly	Leu	Glu	Pro	Gly	Met	Ser	Pro	Gly
		20					25						30		

Ser	Ala	Leu	Ala	Leu	Leu	Trp	Ser	Leu	Pro	Ala	Ser	Asp	Leu	Gly	Arg
		35					40					45			

Ser	Val	Ile	Ala	Gly	Leu	Trp	Pro	His	Thr	Gly	Val	Leu	Ile	His	Leu
	50					55					60				

Glu	Thr	Ser	Gln	Ser	Phe	Leu	Gln	Gly	Gln	Leu	Thr	Lys	Ser	Ile	Phe
65					70					75					80

Pro	Leu	Cys	Cys	Thr	Ser	Leu	Phe	Cys	Val	Cys	Val	Val	Thr	Val	Gly
				85					90					95	

Gly	Gly	Arg	Val	Gly	Ser	Thr	Phe	Val	Ala
		100						105	

<210> 6044

<211> 67

<212> PRT

<213> Homo sapiens

<400> 6044

Ile	Pro	Ala	Pro	Leu	Tyr	His	Leu	Phe	Leu	Pro	Leu	Lys	Gly	Lys	Thr
1				5					10					15	

Phe	His	Pro	Ser	Lys	Leu	Thr	Ala	Phe	Ser	Val	Gly	Phe	Ser	Tyr	Ala
			20					25					30		

Leu	His	Thr	Leu	Asp	Leu	Thr	Cys	Arg	Tyr	Ser	Ser	Pro	Leu	Ala	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5301

35 40 45
 Ser Ile Cys Met Trp Tyr Phe Ser Phe Pro Ser Val Asp Ile Ser Tyr
 50 55 60
 Met Ile Phe
 65

<210> 6045

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6045

His Val Val Tyr Pro Arg Lys Leu Gly Arg Pro Leu Pro Ser Gln Ala
 1 5 10 15

Leu Arg Asn Asn Phe Ser Cys Leu Pro Met Leu Ile Ile Leu Val Phe
 20 25 30

Asn Ser Leu Ser Asp Leu Gln Asn Val Phe Ile Asn Ser Ser Cys Thr
 35 40 45

Trp Leu Asp Lys Leu Ser Cys Leu Cys Trp Xaa Xaa Asn Asp Tyr Leu
 50 55 60

Leu Ile Tyr Phe Gly Xaa Asn Ile Xaa Lys Asn Ile Asn Lys
 65 70 75

5302

<210> 6046

<211> 162

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6046

Pro Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro
 1 5 10 15

Gly Ser Thr His Ala Ser Gly Arg Leu Ala Gly Arg Gly Ala Glu Ser
 20 25 30

Gly Leu Pro Arg Arg Gly Thr Ser Tyr Ser Val Gly Glu Ala Met Glu
 35 40 45

Glu Leu Leu Pro Asp Gly Gln Ile Trp Ala Asn Met Asp Pro Glu Glu
 50 55 60

Arg Met Leu Ala Ala Ala Thr Ala Phe Thr His Ile Cys Ala Gly Gln
 65 70 75 80

Gly Glu Gly Asp Val Arg Arg Glu Ala Gln Ser Ile Gln Tyr Asp Pro
 85 90 95

Tyr Ser Lys Ala Ser Xaa Ala Pro Gly Lys Arg Pro Ala Leu Pro Val
 100 105 110

Gln Leu Gln Tyr Pro His Val Glu Ser Asn Val Pro Ser Glu Thr Val
 115 120 125

Ser Glu Ala Ser Gln Arg Leu Arg Lys Pro Val Met Lys Arg Lys Val
 130 135 140

Leu Arg Arg Lys Pro Asp Gly Glu Val Leu Val Thr Asp Glu Ser Ile
 145 150 155 160

Ile Lys

<210> 6047

<211> 48

<212> PRT

5303

<213> Homo sapiens

<400> 6047

Val	Leu	Cys	Val	Cys	Val	Cys	Val	Cys	Val	Cys	Ala	His	Met	Cys	Thr
1				5					10					15	

Leu	Val	Leu	Val	Pro	Asn	Ser	Cys	Ser	Pro	Gly	Asp	Pro	Leu	Val	Leu
			20					25					30		

Glu	Arg	Pro	Pro	Pro	Arg	Trp	Ser	Thr	Ser	Phe	Val	Pro	Leu	Val	Arg
		35					40						45		

<210> 6048

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6048

Asn	Val	Lys	Lys	His	Ile	Tyr	Leu	Tyr	Ile	Asp	Phe	Lys	Gln	Asn	Thr
1				5					10					15	

Leu	Asn	Thr	Leu	Leu	Ser	Val	Arg	Leu	Met	Xaa	Ala	Glu	Glu	Phe	Tyr
			20					25					30		

Trp	Val	Glu	Lys	Thr	Val	Ile	Tyr	Ile	Val	Leu	Asn	Val	Phe	Ile	Ile
		35					40					45			

Asn	Gly	Cys	Ser	Ile	Ile	Ser	Ile	Leu	Phe	Ser	Ala	Ser	Asn	Gly	Met
	50					55					60				

Ile	Ile	Arg	His	Phe	Ser	Leu	Leu	Ile	Ser
65						70			

<210> 6049

<211> 45

<212> PRT

<213> Homo sapiens

<400> 6049

5304

Phe Ile Lys Trp Val Ile Ile His Thr Asn Ala Lys Leu Ser Ile Tyr
 1 5 10 15

Tyr Ile Lys Ile Phe Asn Val Leu Ala Asn Phe Gly Lys Ala Lys Thr
 20 25 30

Thr Ser Val Asn Lys Asp Gly Phe Leu Val Ile Cys His
 35 40 45

<210> 6050

<211> 62

<212> PRT

<213> Homo sapiens

<400> 6050

Gly Glu Thr Ser Gly Leu Leu Cys Ser Gly Lys Thr Arg Asp Ala His
 1 5 10 15

Tyr Cys Glu Gly Pro Leu Lys Ser Gly Leu Leu Asn Gly Phe Leu Leu
 20 25 30

Ile Ser Trp Val His Ala Arg Met Met Gly Leu Asp Ala Val Gly Lys
 35 40 45

Arg Arg Cys Lys Asn Asn Lys Gln Tyr Ile Pro Ser Lys Lys
 50 55 60

<210> 6051

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6051

Gln Xaa Cys Lys Asn Ile Gln Lys Ser Arg Thr Ile Gly Leu Ser Phe
 1 5 10 15

Gln Ser Lys Ser Lys Xaa Ser Cys Phe His Phe Thr Arg Leu Trp Lys

5305

20				25				30							
Pro	Met	Asp	Val	Ile	Val	Lys	Cys	Ile	Cys	Ile	Thr	Leu	Thr	Phe	Leu
35				40				45							

Lys Cys Phe Glu Leu Ile Lys Asn Ser Thr Met
50 55

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<210> 6052
<211> 51
<212> PRT
<213> Homo sapiens
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<400> 6052
Asp Thr Phe Asn Pro Val Asn Phe Phe Ser Val Ser Asp Lys Val Lys
  1             5             10             15
```

Phe Ser Ser Arg Val Gln Asn Thr Phe Ile Tyr Phe Phe Val Phe Leu
20 25 30

Lys Val Gln Arg Thr Thr Leu Ile Asn Leu Ser Phe Pro Ala Thr Trp
 35 40 45

Asn Ser Thr
50

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<210> 6053
<211> 89
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 6053
Lys Leu Leu Ser Pro Leu Asn Gly Leu Gly Pro Leu Val Xaa Ser His
1 5 10 15

Cys Ser Ile Arg Val Ser Leu His Leu Trp Ala Leu Leu Ser Cys Asp
20 25 30

Ser Arg Asn Val Leu Leu Ile His Phe Met Val Asp His Pro Leu Ala
35 40 45

Leu Ser Thr Leu Pro Leu Phe Ser Ser Ala Pro His Arg Ile Ile Ser

5306

50 55 60
 Ile Val Ser Val Ser Ser Leu Leu Ile Leu Tyr Ser Ala Cys Ser Asp
 65 70 75 80
 Leu Pro Val Asn Pro Leu Val Asn Leu
 85

 <210> 6054
 <211> 92
 <212> PRT
 <213> Homo sapiens

 <400> 6054
 Ile Ser Gly Asp Lys His Leu Lys Lys Val Gln Leu Thr Leu Glu Gln
 1 5 10 15
 His Glu Ser Glu Leu Cys Val Gly Leu Leu Thr Gly Arg Phe Phe Phe
 20 25 30
 Ser Ile Ser Ile Leu Glu Asn Phe Leu Glu Ile Phe Gly Asn Leu Lys
 35 40 45
 Lys Leu Ala Asn Tyr Ser Leu Glu Ile Ser Glu Val Lys Lys Lys Leu
 50 55 60
 Val Cys His Arg Cys Ile Lys Leu Thr Met Ser Ile Leu Val His Phe
 65 70 75 80
 Ile Ile Tyr Tyr His Lys Ile Tyr Thr Ser Phe Phe
 85 90

<210> 6055
 <211> 48
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

5307

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6055

Thr	Glu	Lys	Glu	Met	Lys	Ile	Asp	Gln	Xaa	Glu	Lys	Gly	Leu	Val	Xaa
1				5					10					15	

Lys	Gly	Xaa	Lys	Gly	Arg	Ser	Leu	Trp	Asn	Xaa	Xaa	Xaa	Leu	Lys	Asn
			20					25					30		

Glu	Val	Thr	Pro	Asn	Asn	Arg	Thr	Gly	Gln	Ser	Glu	Met	Thr	Trp	Leu
		35					40					45			

<210> 6056

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6056

Lys	Ser	Ser	Ile	Xaa	Pro	Pro	Leu	Ile	Phe	Pro	Ala	Thr	Asp	Ile	Asp
1				5					10					15	

Arg	Ile	Leu	Arg	Ala	Gly	Phe	Thr	Leu	Gln	Glu	Ala	Leu	Gly	Ala	Leu
			20					25					30		

5308

His Arg Val Gly Gly Asn Ala Asp Leu Ala Leu Leu Val Leu Leu Ala
35 40 45

Lys Asn Ile Val Val Pro Thr
50 55

<210> 6057

<211> 56

<212> PRT

<213> Homo sapiens

<400> 6057

Ser Gln Leu Leu Gly Arg Leu Arg Gln Glu Asn His Leu Asn Pro Gly
1 5 10 15

Gly Arg Gly Cys Ser Glu Pro Arg Ser His His Cys Thr Pro Ala Trp
20 25 30

Ala Thr Arg Ala Lys Leu His Leu Lys Lys Thr His Ile Phe Met Asn
35 40 45

Ile Ser His Gln Gln Cys Arg Lys
50 55

<210> 6058

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6058

Glu Glu Thr Trp Leu Leu Ala Leu Ile Asn Glu Glu Ser His Phe Pro
1 5 10 15

Gln Ala Thr Asp Ser Thr Leu Leu Glu Lys Leu His Ser Gln His Ala
20 25 30

Asn Asn His Phe Tyr Val Lys Pro Arg Val Ala Val Asn Asn Phe Gly
35 40 45

Val Lys His Tyr Ala Gly Glu Val Gln Tyr Asp Val Arg Gly Ile Leu
50 55 60

5309

Glu Lys Asn Arg Asp Thr Phe Arg Asp Asp Leu Leu Asn Leu Leu Arg
 65 70 75 80

Glu Ser Arg Phe Asp Phe Ile Tyr Asp Leu Phe Glu His Val Ser Lys
 85 90 95

Pro Xaa Gln Pro Gly Tyr Leu Glu Met Trp Glu Pro Thr Ser Ala Ala
 100 105 110

Tyr

<210> 6059

<211> 44

<212> PRT

<213> Homo sapiens

<400> 6059

Ala Phe Ile Tyr Leu Asn Phe Glu Phe Leu Asn Phe Leu Val Lys Asn
 1 5 10 15

Gln Asp Lys His Thr Ser Leu Gly Leu Cys Arg Val Arg Ile Lys Thr
 20 25 30

Ser Leu Ala Gly Asp Arg Asn Phe Ser Thr Pro Leu
 35 40

<210> 6060

<211> 59

<212> PRT

<213> Homo sapiens

<400> 6060

Ala Asp Tyr Pro Thr Val Gly Thr Lys Leu Asp Ser Tyr Phe Val Gly
 1 5 10 15

Leu Ser Phe Leu Ile Leu Thr Ile Tyr His Pro Ile Leu Cys Pro Val
 20 25 30

Ile Phe Phe Lys Ser Leu Phe Asn Val Leu Gln His Cys Asp Cys Met
 35 40 45

Leu Ala Thr Leu Leu Leu Glu Cys Ser Phe Ser
 50 55

5310

<210> 6061

<211> 51

<212> PRT

<213> Homo sapiens

<400> 6061

Trp Val Asn Leu Arg Phe Gln Ser Gln Lys Leu Gln Val Val Val Thr
 1 5 10 15

Phe Leu Ser Ala Trp Ile Lys Pro Leu Lys Cys Gly Lys Cys Cys Gln
 20 25 30

Ser Arg Ala Ile Ser Leu Leu Ser Ser Met Arg Gly Ile Glu Thr Lys
 35 40 45

Gln Gln Phe
 50

<210> 6062

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6062

Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val
 1 5 10 15

Xaa Thr Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
 20 25 30

Arg Gly Gly Val Ser Ser Leu Lys Leu Arg Thr Ile Phe Xaa Val Ala
 35 40 45

5311

Lys Leu His Xaa Met Met Leu Pro Leu Leu Ser Val Leu Ser Gly Pro
50 55 60

Leu Phe Thr Ser Thr Arg Tyr Pro Ser
65 70

<210> 6063

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6063

Arg Gly Asn Arg Cys Leu Thr Lys Arg Glu Ala Ile Arg Gly Ile Asp
1 5 10 15

Glu Ala Gln Leu Lys Ser Ser Leu Ala Ser Ser Ser Leu Ala Ser Val
20 25 30

His Leu Lys Asn Lys Ser Trp Leu Thr Val Gly Ser Thr Arg Phe Glu
35 40 45

Ile Arg Trp Leu Tyr Phe Xaa Phe Phe Gly Ile
50 55

<210> 6064

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6064

Thr Xaa Met Phe Gln Gln His Arg Phe Ile Cys Asn His Lys Ser Asp
1 5 10 15

Thr Phe Arg Met Thr Lys Pro Gln Lys Asn Ala Ile Phe Lys Ala Glu
20 25 30

Thr Val Leu Phe Trp Ala Lys Trp Asn Pro Cys Phe Ser Asp Thr Val

5312

35 40 45
 Arg Val Glu Ile Lys Asp Thr Glu Asn Leu Pro Leu Gly Asn His Asn
 50 55 60

Tyr Leu
 65

<210> 6065

<211> 46

<212> PRT

<213> Homo sapiens

<400> 6065

Lys Arg Gln Leu Glu Asn Val Met His Gly Val Phe Lys Lys Thr Lys
 1 5 10 15

Cys Ser Phe Tyr Leu Thr Asp Asn Ser Phe Tyr Thr Leu Tyr Asn Lys
 20 25 30

Ile Ser Thr Arg His Leu Val Gly Lys Val Lys Lys Lys Lys
 35 40 45

<210> 6066

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6066

Arg Gly Leu Pro Ser Ile Pro Glu Asn Xaa Asn Leu Xaa Glu Tyr Phe
 1 5 10 15

5313

Val Ala Val Asp Val Asn Asn Met Leu His Leu Tyr Ala Ser Met Leu
 20 25 30

Tyr Glu Arg Arg Ile Leu Ile Ile Cys Ser Lys Leu Ser Thr Leu Thr
 35 40 45

Ala Cys Ile His Gly Ser Ala Ala Met Leu Tyr Pro Met Tyr Trp Gln
 50 55 60

His Val Tyr Ile Pro Val Leu Pro Pro His Leu Xaa Asp Tyr Cys Cys
 65 70 75 80

Ala Pro Met Pro Tyr Leu Ile Gly Ile His Leu Ser Leu Met Glu Lys
 85 90 95

Val Arg Asn Met Ala Leu Asp Asp Val Val Ile Leu Asn Val Asp Thr
 100 105 110

Asn Thr Leu Glu Thr Pro Phe Asp Asp Leu Gln Ser Leu Pro Asn Asp
 115 120 125

Val Glu Glu Ser Ile Val Ile Gln
 130 135

<210> 6067

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6067

His Phe Ala Ala Tyr Gly Asn Val Cys Val Leu Phe Ile Leu Met Asn
 1 5 10 15

Cys Ala Met Thr His Lys Pro Lys Gln Cys Gln Leu Gln Leu Asn Leu
 20 25 30

Gly Arg Asn Pro Trp Cys Phe Xaa Phe Phe Phe Asp Ala Gly Glu Arg
 35 40 45

Leu His Phe Val Thr Asn Leu Leu Pro Asn Arg Lys Ile Tyr Phe Leu
 50 55 60

Ser Asp Arg His His Thr Arg Cys Leu Leu
 65 70

5314

<210> 6068

<211> 86

<212> PRT

<213> Homo sapiens

<400> 6068

Gly Lys Pro Gly Ala Pro Leu Gln Pro Trp Asp Asn Leu Arg Ile Pro
 1 5 10 15

Pro Glu Ala Ser Ser Val Met Asp Ala Val Leu Arg Ile Thr Cys Cys
 20 25 30

Pro Gly Val Thr Cys Phe His Leu Pro Ala His Gln Pro Ser Ala His
 35 40 45

Leu Thr Cys Leu Pro Met Asp Trp Gly Leu Pro Gly Pro Pro Pro Tyr
 50 55 60

Val Asn Leu His Phe Leu Phe Lys Asn Gln Glu Lys Lys Arg Phe Glu
 65 70 75 80

Asp Pro Lys Ser Cys Gln
 85

<210> 6069

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6069

Leu Glu Gly Arg Ala Leu Leu Gln Val Arg Val Gly Val Leu Ser Glu

5315

1 5 10 15
 Ser Cys Val Leu Gly Leu Val Ser Phe Pro Cys Pro Cys Ser Gly Ser
 20 25 30
 Val Arg Gln Ile Gly Arg Leu Cys Ser Arg Pro Gln Glu Cys Xaa Ser
 35 40 45
 Pro Xaa Leu Ala Gln Tyr Ile Gly Thr Cys Gly Phe Tyr Phe Val Phe
 50 55 60
 Asp Val Pro Asp Arg Asn Arg Ala Arg Gly Thr Xaa Lys Thr Thr Val
 65 70 75 80
 Gly Ser

<210> 6070

<211> 50

<212> PRT

<213> Homo sapiens

<400> 6070

Ser Lys Glu Arg Val Asp Gly Leu Lys Arg Leu Ala Ser Val Ser Val
 1 5 10 15
 Ala Gly Ser His Leu Ala Ser Asn Trp Lys Gln Asn Phe Trp Gly Val
 20 25 30
 Leu Phe Cys Ile Arg Val Cys Phe Met Leu Ser Lys Thr Tyr Phe Arg
 35 40 45
 Ser Lys
 50

<210> 6071

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6071

Trp Lys Leu Val Gly Pro Pro Gly Leu Thr Gly Ile Arg Thr Xaa Gly

5316

1	5	10	15
Lys Asn Phe Val Arg Pro Gln Lys His Cys Thr Val Asn Ile Leu Glu			
20	25	30	
Lys Val Cys Gln Thr Gly Ile Asn Asp Ser Met Ile Phe Asn Asp Cys			
35	40	45	
Lys Leu Arg			
50			

<210> 6072

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6072

Lys Ser Met Gly Glu Glu Asn Val Lys Met Leu Ser Asp Ile Arg Cys
1 5 10 15

Met Lys Ser His Asn Ile Lys Ala Ile Ser Tyr Phe Xaa Arg Gly Ile
20 25 30

Phe Leu Leu Pro Leu Leu Val Leu Asp Arg Phe Tyr Lys Met Xaa Asn
35 40 45

Lys Ile Trp Xaa
50

<210> 6073

<211> 102

<212> PRT

5317

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6073

Glu	Ser	Ser	Ile	Cys	Cys	Ser	Phe	Leu	Gln	Leu	Tyr	Phe	Cys	Ser	Ile
1				5				10					15		

Ser	Trp	Phe	His	Ser	Leu	Leu	Phe	Trp	Asp	Phe	Val	Phe	Arg	Ser	Ala
			20					25					30		

Tyr	Phe	Leu	Tyr	Ile	Cys	Met	Gln	Met	Lys	Glu	Gly	Ser	Leu	Tyr	Trp
		35					40					45			

Cys	Xaa	Phe	Ser	Leu	Gln	Leu	Leu	Val	Xaa	Gly	Asp	Leu	Leu	Glu	Lys
	50					55					60				

Ile	Leu	Pro	Leu	Lys	Gly	Glu	Asn	Arg	Pro	Leu	Cys	Val	Tyr	Leu	Tyr
65					70					75					80

Arg	Asp	Val	Tyr	Met	Gly	Cys	Gly	Gly	Thr	Leu	Leu	Asn	Val	Asn	Leu
				85					90					95	

Pro	Cys	Gln	Trp	Lys	Asp
				100	

<210> 6074

<211> 37

<212> PRT

<213> Homo sapiens

<400> 6074

Leu	Phe	Gly	Ala	Val	Arg	Lys	Lys	Lys	Lys	Lys	Lys	Ile	Ala	Ile	Ser
1				5				10					15		

Ser	Cys	Val	His	Asn	Ser	Arg	Tyr	Asn	Ile	Gln	Ser	Leu	Glu	Gly	Pro
			20					25				30			

Phe	Trp	Ala	Leu	Asp
			35	

5318

<210> 6075

<211> 37

<212> PRT

<213> Homo sapiens

<400> 6075

Tyr	Ser	Phe	Asp	Asn	Thr	Arg	Val	Ser	Glu	Ile	Pro	Asp	Thr	Ser	Val
1				5				10					15		

Gln	Asn	Ala	Met	Asp	Leu	Leu	Phe	Tyr	Ser	Cys	Gln	Pro	Phe	Ser	Ile
			20					25					30		

Pro	Ile	Gln	Lys	Arg
			35	

<210> 6076

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6076

Thr	Leu	Ser	Asp	Val	Gly	Cys	Pro	His	Gln	Asn	Ile	Cys	Thr	Ser	Cys
1				5					10				15		

Phe	Cys	Pro	Thr	Leu	Glu	Ala	Ala	Glu	Lys	Lys	Gly	Lys	Gln	Gly	Ser
			20					25					30		

Arg	Asn	Leu	Cys	Tyr	Val	Phe	Ser	Pro	Leu	Tyr	Leu	Phe	Leu	Trp	Xaa
		35					40					45			

Val	Val	Gln	Glu	Ile	Leu	Phe	Ser	Cys	Ser	Lys	Leu	Ile	Lys	Arg	Ser
		50				55					60				

Asn	Ile	Arg	Asn	Tyr	Asp	Asn	Ser	Leu
		65				70		

<210> 6077

<211> 49

<212> PRT

<213> Homo sapiens

5319

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6077

Tyr	Arg	Gly	Arg	Glu	Ile	Ser	Lys	Val	Phe	Thr	Ser	Ser	Leu	Lys	Gly
1				5				10					15		

Val	Gly	Ser	Asn	Ser	Ser	Ser	Pro	Cys	Tyr	Phe	Gly	Val	Ser	His	Tyr
			20					25					30		

Ser	Leu	Thr	His	Gln	Lys	Ile	His	Ser	Phe	Lys	Cys	Leu	Xaa	Val	Leu
			35				40						45		

Ser

<210> 6078

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

5320

<400> 6078

Pro Asn Ala Asp Gln Lys Tyr Ser Thr Asp Lys Met Xaa Glu Pro Xaa
 1 5 10 15

Val Tyr Val Lys Ser Leu Tyr Thr Xaa Xaa Gly Pro Asp Xaa Tyr Phe
 20 25 30

Leu Leu Leu Ile Gly Gly
 35

<210> 6079

<211> 303

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6079

Ala Phe Ser Ser Ser Glu Asp Asn Lys Xaa Gly Lys Arg Xaa Arg Thr
 1 5 10 15

Asn Ser Arg Ser Thr Pro Thr Thr Pro Gln Gly Lys Pro Glu Thr Thr
 20 25 30

Phe Leu Asp Gln Gly Cys Ser Ser Pro Val Leu Ile Asp Cys Pro His
 35 40 45

Pro Asn Cys Asn Lys Lys Tyr Lys His Ile Asn Gly Leu Arg Tyr His
 50 55 60

Gln Ala His Ala His Leu Asp Pro Glu Asn Lys Leu Glu Phe Glu Pro

5321

65					70					75						80
Asp	Ser	Glu	Asp	Lys	Ile	Ser	Asp	Cys	Glu	Glu	Gly	Leu	Ser	Asn	Val	
				85					90					95		
Ala	Leu	Glu	Cys	Ser	Glu	Pro	Ser	Thr	Ser	Val	Ser	Ala	Tyr	Asp	Gln	
			100					105					110			
Leu	Lys	Ala	Pro	Ala	Xaa	Pro	Gly	Ala	Gly	Asn	Pro	Pro	Gly	Thr	Pro	
		115					120					125				
Lys	Gly	Lys	Arg	Glu	Leu	Met	Ser	Asn	Gly	Pro	Gly	Ser	Ile	Ile	Gly	
	130					135					140					
Ala	Lys	Xaa	Gly	Lys	Asn	Ser	Gly	Lys	Lys	Lys	Gly	Leu	Asn	Asn	Glu	
145					150					155					160	
Leu	Asn	Asn	Leu	Pro	Val	Ile	Ser	Asn	Met	Thr	Ala	Ala	Leu	Asp	Ser	
				165					170					175		
Cys	Ser	Ala	Ala	Asp	Gly	Ser	Leu	Ala	Ala	Glu	Met	Pro	Lys	Leu	Glu	
			180					185					190			
Ala	Glu	Gly	Leu	Ile	Asp	Lys	Lys	Asn	Leu	Gly	Asp	Lys	Glu	Lys	Gly	
		195					200					205				
Lys	Lys	Ala	Asn	Asn	Cys	Lys	Thr	Asp	Lys	Asn	Leu	Ser	Lys	Leu	Lys	
	210					215					220					
Ser	Ala	Arg	Pro	Ile	Ala	Pro	Ala	Pro	Ala	Pro	Thr	Pro	Pro	Gln	Leu	
225					230					235					240	
Ile	Ala	Ile	Pro	Thr	Ala	Thr	Phe	Thr	Thr	Thr	Thr	Thr	Gly	Thr	Ile	
				245					250					255		
Pro	Gly	Leu	Pro	Ser	Leu	Thr	Thr	Thr	Val	Val	Gln	Ala	Thr	Pro	Lys	
			260					265					270			
Ser	Pro	Pro	Leu	Lys	Pro	Ile	Gln	Pro	Lys	Pro	Thr	Ile	Met	Gly	Glu	
		275					280						285			
Pro	Ile	Thr	Val	Asn	Pro	Ala	Leu	Val	Ser	Leu	Lys	Asp	Lys	Lys		
	290					295						300				

5322

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6080

Arg	Leu	Ser	Gln	His	Pro	Tyr	His	Thr	Val	Gln	Lys	Ser	Glu	Leu	Gln
1				5					10					15	

Arg	Leu	Cys	Ser	Val	Ser	Trp	Ser	Thr	Ser	Lys	Phe	Val	Val	Arg	Lys
			20					25					30		

Val	Arg	Cys	Arg	Asn	Leu	Arg	Leu	Gln	Arg	Leu	Cys	Ser	Val	Ser	Trp
		35					40					45			

Xaa	Thr	Ser	Thr	Phe	Phe	Val	Val	Asn	Ile	Gln	Ser	His
	50					55					60	

<210> 6081

<211> 77

<212> PRT

<213> Homo sapiens

<400> 6081

Pro	Asn	Pro	Ala	Leu	Thr	Ala	Pro	Gln	Arg	Ile	Pro	Val	Ala	Ala	Gln
1				5					10					15	

Pro	Pro	Ala	Pro	Pro	Ser	Pro	Glu	Leu	Arg	Arg	Glu	Pro	Gln	Gly	Gly
			20					25					30		

Ala	Met	Arg	Thr	Gly	Val	Trp	Trp	Ser	Thr	Tyr	Gly	Ser	Trp	Pro	Ala
		35					40					45			

Ser	Gly	Ala	Val	Ala	Gly	Arg	Pro	Leu	Ala	Phe	Ser	Asp	Ala	Gly	Pro
	50					55					60				

His	Val	His	Tyr	Gly	Trp	Gly	Asp	Pro	Ile	Arg	Leu	Arg
65					70					75		

<210> 6082

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

5323

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6082

Thr	Ala	Gly	Pro	Ser	His	Pro	Trp	Ile	Ser	Ser	Cys	Thr	Thr	Leu	Lys
1				5				10						15	

Leu	Glu	Gln	His	Gln	Xaa	Leu	Pro	Arg	Ser	Pro	Pro	Ala	Gln	Pro	Ser
			20					25					30		

Xaa	Gly	Asn	Val	Ser	Ser	Ser	Pro	Gly	Leu	Gln	Leu
		35					40				

<210> 6083

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6083

Ala	Glu	Gly	His	Glu	Arg	Glu	Arg	Ser	Xaa	Glu	Ser	Gly	Glu	Glu	Asp
1				5				10						15	

Ser	Ser	Leu	Thr	Asp	Glu	Pro	Arg	Arg	Ala	Cys	Leu	Ser	His	Pro	Ser
			20				25					30			

Leu	Cys	Gln	Leu	Leu	Gly	Gly	Gln	Xaa	Pro	Ala	Leu	Arg	Asn	Ser	Pro
		35					40					45			

Val	Leu	Gly	Glu
		50	

<210> 6084

<211> 78

5324

<212> PRT

<213> Homo sapiens

<400> 6084

Leu Val Leu His Tyr Phe Pro Arg Glu Phe Leu Gln Val Asn Val His

1

5

10

15

Pro Phe Asp Leu Glu Ala Asp Ser Gln Phe Cys Leu Phe Gly Lys Ser

20

25

30

Ala Ser Glu Leu Asn Phe Leu Val Cys Lys Met Gly Leu Arg Lys Cys

35

40

45

Gly Leu Leu Phe Gln Arg Leu Leu Leu Gly Trp Asn Glu Ile Met Cys

50

55

60

Val Thr Lys Ala Leu Glu Thr Phe Trp Asn Leu Lys Ala Ile

65

70

75

<210> 6085

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6085

Ala Leu Ser Val Cys Asp Leu Leu Lys Asn Lys Phe Phe Val Lys Glu

1

5

10

15

Asn Thr Ser Leu Lys Asn Glu Lys Ala Ile Leu Ser Leu Ile Asn Leu

20

25

30

Ile Gln Asp Pro Ser Ile Ile Asn Leu Thr Val Leu Xaa Phe Thr Glu

35

40

45

Ile Ser Xaa Asn Gln Ser Gln Lys Ile Pro Pro Cys Thr Asn Leu Leu

50

55

60

Pro Leu His

65

5325

<210> 6086

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6086

Leu	Arg	Ile	Met	Thr	Pro	Leu	Val	Ser	Cys	Gly	Met	Gly	Arg	Ile	Phe
1				5					10					15	

Tyr	Phe	Phe	Cys	Thr	Phe	Thr	Trp	Arg	Leu	Phe	Leu	Leu	Arg	Xaa	Phe
			20					25					30		

Ile	Met	Gly	Phe	Lys	Ala	Leu	His	Leu	Pro	Asn	Xaa	Gly	Lys	Cys	Xaa
		35					40					45			

Lys	Tyr	Cys	Ile	Phe	Tyr	Xaa	Phe	Gly	Pro	Lys	Gly	Tyr
	50					55					60	

<210> 6087

<211> 50

<212> PRT

<213> Homo sapiens

<400> 6087

Asn	Glu	Glu	Cys	Asn	Pro	Phe	Tyr	Lys	Met	Tyr	Thr	Leu	Cys	Tyr	Leu
1				5					10					15	

5326

Leu Leu Asn Phe Gly Leu Val Ile Pro Thr Asp Ala Lys Phe Phe Leu
 20 25 30

Gln Ser Thr Glu Ile Ile Gln Ile Phe Leu His Cys Gln Gln Asp Glu
 35 40 45

Ile Val
 50

<210> 6088

<211> 141

<212> PRT

<213> Homo sapiens

<400> 6088

Trp Lys Lys Tyr Phe Lys Thr Phe Ile Asn Gly Lys Val Val Trp Gly
 1 5 10 15

Ser Trp Phe Asp His Val Lys Gly Trp Trp Glu Met Lys Asp Arg His
 20 25 30

Gln Ile Leu Phe Leu Phe Tyr Glu Asp Ile Lys Arg Asp Pro Lys His
 35 40 45

Glu Ile Arg Lys Val Met Gln Phe Met Gly Lys Lys Val Asp Glu Thr
 50 55 60

Val Leu Asp Lys Ile Val Gln Glu Thr Ser Phe Glu Lys Met Lys Glu
 65 70 75 80

Asn Pro Met Thr Asn Arg Ser Thr Val Ser Lys Ser Ile Leu Asp Gln
 85 90 95

Ser Ile Ser Ser Phe Met Arg Lys Gly Thr Val Gly Asp Trp Lys Asn
 100 105 110

His Phe Thr Val Ala Gln Asn Glu Arg Phe Asp Glu Ile Tyr Arg Arg
 115 120 125

Lys Met Glu Gly Thr Ser Ile Asn Phe Cys Met Glu Leu
 130 135 140

<210> 6089

<211> 65

<212> PRT

<213> Homo sapiens

5327

<400> 6089

Asn Lys His Leu Glu Ala Ile Phe Gly Leu Ile Lys Ile Val Leu Gly
 1 5 10 15

Arg Ala Trp Trp Leu Thr Pro Ala Ile Pro Ala Leu Trp Glu Ala Glu
 20 25 30

Asp Ser Gly Phe Leu Glu Leu Arg Ser Trp Glu Thr Ser Leu Gly Asn
 35 40 45

Met Val Ile Pro Val Cys Leu Phe Lys Ile Lys Lys Ile Asn Glu Val
 50 55 60

Met
 65

<210> 6090

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6090

Val Ala Lys Gly Leu Leu Ser His Leu Cys Pro Pro Xaa Ile Leu Lys
 1 5 10 15

Ala Arg Ser Leu Glu Phe Glu Leu Cys Pro His Met Pro Pro Arg His
 20 25 30

Gln Gln Ser Lys Met Lys Ser Leu His Cys Leu Ser Val Asp Pro Thr
 35 40 45

Leu Ser Pro His Trp Arg Gly Arg Gly Gly Gly Leu Arg Met Ser Ser
 50 55 60

Ser Cys Pro Gly Cys Asn Met Val Lys Asp Glu Arg Lys Glu Met Leu
 65 70 75 80

Gly Ala Ser Leu His
 85

<210> 6091

5328

<211> 90

<212> PRT

<213> Homo sapiens

<400> 6091

Gln Glu Pro Ser Ser Arg Val Ser Cys Phe Lys Ala Pro Tyr Pro Phe
 1 5 10 15

Leu Arg Val Thr Asn Thr Cys Ala Arg Ser Leu Pro Phe Pro Ser Ser
 20 25 30

Pro Cys Ile Trp Leu Ile Thr Gly Gln Leu Pro Ala Ser Leu Gln Phe
 35 40 45

Gly Arg Trp Val Gly Asn Asp His His Ser Pro Arg Ser Pro Asp Gly
 50 55 60

Leu Val Phe Arg Ala Leu His Arg His Leu Gln Gln Ala Pro Ala Arg
 65 70 75 80

Pro Glu Val Ile Leu Arg Arg Asp Gly Ser
 85 90

<210> 6092

<211> 45

<212> PRT

<213> Homo sapiens

<400> 6092

Leu Gln Leu Trp Ile Ala Tyr Phe Glu Lys Gly Glu Leu Gln Ile Leu
 1 5 10 15

Pro Lys Asp Gly Glu Lys His Ile Lys Lys Ile Pro Thr Phe Arg Asn
 20 25 30

Ser Phe Gln Gln Leu Leu Leu Glu Ile Phe Lys Leu Ile
 35 40 45

<210> 6093

<211> 49

<212> PRT

<213> Homo sapiens

<400> 6093

Ile Ser Asp Lys Phe Pro Gly Asn Ala Asp Phe Thr Val Gln Gly Pro
 1 5 10 15

5329

His Phe Gly Asn His Thr Asn Arg Asn Leu Met Gln Thr Gln Gly Thr
 20 25 30

Tyr Gln Lys Ile Phe Asn Gln Val Ile Leu His Asp Lys Gly Gln Gln
 35 40 45

Cys

<210> 6094

<211> 58

<212> PRT

<213> Homo sapiens

<400> 6094

Thr Gly Phe His His Val Ser Gln Ala Ser Leu Glu Leu Leu Thr Ser
 1 5 10 15

Gly Asp Pro Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly Ile
 20 25 30

Ser His Arg Ala Trp Pro Asn Asn Trp Asn Ile Phe Ile Met Lys Met
 35 40 45

Ser Ser Ala Leu Pro Lys Glu Thr Thr Asn
 50 55

<210> 6095

<211> 89

<212> PRT

<213> Homo sapiens

<400> 6095

Cys Lys His Cys Ile Ser Tyr Val Glu Met Val Lys Asp Asp Tyr Glu
 1 5 10 15

Asp Asp Ser His Val Phe Arg Lys Pro Ala Asn Asp Ile Thr Ser Gln
 20 25 30

Leu Glu Ile Asn Phe Gly Asn Leu Pro Arg Pro Gly Arg Gly Ala Arg
 35 40 45

Gly Gly Thr Arg Gly Gly Arg Gly Arg Ile Arg Arg Ala Glu Asn Tyr
 50 55 60

Gly Pro Arg Ala Glu Val Val Met Gln Asp Val Ala Pro Asn Pro Asp
 65 70 75 80

5330

Asp Pro Glu Asp Phe Pro Ala Leu Ser
85

<210> 6096

<211> 32

<212> PRT

<213> Homo sapiens

<400> 6096

Lys Leu Lys Met Leu Ala Glu His Phe Val Val Leu Gln Ala Leu Leu
1 5 10 15

Ile Phe His Cys Ser Thr Cys Cys Trp Gln Ser Asn Phe Ser Glu Leu
20 25 30

<210> 6097

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6097

Ala Glu His Cys Ser Pro Ile Leu Val Leu Ile Trp Lys Phe Leu Gly
1 5 10 15

His Tyr Ala Asp Lys Lys Thr Arg Thr Pro Gly Ala Arg Lys Thr Cys
20 25 30

Cys Lys Ser Leu Val Cys Ser Tyr Glu Cys Pro Ser Thr Leu Glu Glu
35 40 45

Ala Leu Asp Ser Pro Val Pro Ser Phe Leu Gly Ala Arg Val Pro Xaa
50 55 60

Cys
65

5331

<210> 6098

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6098

Phe Tyr Cys Tyr Ser Glu Glu Ser Gln Leu Thr Asp Leu Asp Asp Phe
1 5 10 15

Lys Asp Ala Val Gln Met Arg Glu Gly Cys Lys Tyr Cys Phe Ser Ile
20 25 30

Xaa Glu Leu Thr Val Ala Lys Val Gly Tyr Ser Ile Glu Ser Leu
35 40 45

<210> 6099

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6099

Ile Arg His Glu Glu Thr Ser Ile Ala Leu Gln Asp Asn Tyr Glu Ile
1 5 10 15

Arg Tyr Thr Ala Ile Ser Val Ile Lys Asn Leu Leu Ile Lys His Ala
20 25 30

Phe Asp Thr Arg Tyr Gln His Lys Asn Gln Gln Ala Lys Ile Ala Gln
35 40 45

Leu Tyr Leu Pro Phe Val Gly Leu Leu Leu Glu Asn Ile Gln Arg Leu
50 55 60

Ala Gly Arg Asp Thr Leu Tyr Ser Cys Ala Ala Met Pro Asn Ser Ala

5332

65		70		75		80									
Ser	Arg	Asp	Glu	Phe	Pro	Cys	Gly	Phe	Thr	Ser	Pro	Ala	Asn	Arg	Gly
				85					90					95	
Ser	Leu	Ser	Thr	Asp	Lys	Asp	Thr	Ala	Tyr	Gly	Ser	Phe	Gln	Asn	Gly
			100					105					110		
His	Gly	Ile	Lys	Arg	Glu	Asp	Ser	Arg	Gly	Ser	Leu	Phe	Pro	Glu	Gly
		115					120					125			
Ala	Thr	Gly	Phe	Pro	Asp	Gln	Gly	Asn	Thr	Gly	Glu	Asn	Thr	Arg	Gln
	130					135				140					
Asn	Ser	Thr	Arg	Xaa	Ile	Val	Ser	Xaa	Tyr	Asn	Arg	Leu	Asp	Gln	Tyr
145					150				155					160	
Glu	Ile	Thr	Thr	Ser											
				165											

<210> 6100

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6100

Gln	Arg	Gly	Arg	Trp	Lys	Gln	Cys	Ser	Trp	Lys	Leu	Leu	Leu	Ser	Pro
1				5					10					15	

Leu	Ser	His	His	Ser	Arg	His	Leu	Leu	Gln	Ala	Gly	Arg	His	Val	Ser
			20				25						30		

Val	Arg	Phe	Leu	Pro	Gly	Asp	Ile	Arg	Ser	Pro	Xaa	Ile	Gln	Ile	Lys
		35					40					45			

Cys	Asn	Ile	Leu	Gln	Thr	Ala	Leu	Leu	Arg	Glu	Ile	Ser
	50					55					60	

<210> 6101

<211> 156

<212> PRT

<213> Homo sapiens

5333

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6101

Trp	Ile	Pro	Arg	Ala	Ser	Gly	Ile	Arg	His	Glu	His	Leu	Arg	Ser	His
1				5				10						15	

Thr	Gln	Glu	Lys	Val	Val	Ala	Cys	Pro	Thr	Cys	Gly	Gly	Met	Phe	Ala
			20					25					30		

Asn	Asn	Thr	Lys	Phe	Leu	Asp	His	Ile	Arg	Arg	Gln	Thr	Ser	Leu	Asp
		35					40					45			

Gln	Gln	His	Phe	Gln	Cys	Ser	His	Cys	Ser	Lys	Arg	Phe	Ala	Thr	Glu
	50					55					60				

Arg	Leu	Leu	Arg	Asp	His	Met	Arg	Asn	His	Val	Asn	His	Tyr	Lys	Cys
65					70					75					80

Pro	Leu	Cys	Asp	Met	Thr	Cys	Pro	Leu	Pro	Ser	Xaa	Leu	Arg	Asn	His
				85					90					95	

Met	Arg	Phe	Arg	His	Ser	Glu	Asp	Arg	Pro	Phe	Lys	Cys	Xaa	Cys	Cys
		100						105					110		

Asp	Tyr	Ser	Cys	Lys	Asn	Leu	Ile	Asp	Leu	Gln	Lys	His	Leu	Asp	Thr
		115					120					125			

His	Ser	Glu	Glu	Pro	Ala	Tyr	Arg	Cys	Asp	Phe	Glu	Asn	Cys	Thr	Ser
	130						135				140				

Val	Xaa	Asp	Pro	Leu	Leu	Tyr	Gln	Val	Pro	Leu	Pro
145					150					155	

<210> 6102

<211> 65

5334

<212> PRT

<213> Homo sapiens

<400> 6102

Phe Cys Leu Leu Leu Ala Gly Glu Glu Ala Met Ser Trp Tyr Ser Gln

1

5

10

15

Trp Ser Gln Asp Pro Glu Cys Val Ala Lys Pro Tyr Thr Ala Phe His

20

25

30

Gly Leu Phe Leu Gly Ala Arg Val Gly Gly Asp Met Val Leu Gly Ser

35

40

45

Asn Leu Pro Cys Asn Arg Trp Arg Ala Val Phe Ser Met Ala Pro Ala

50

55

60

Val

65

<210> 6103

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6103

Leu Gln Val Thr Leu Ser Ser Trp Pro Xaa Ile Ala Pro Arg Leu Phe

1

5

10

15

Leu Pro His Trp Gly Gln Ser Phe Pro Trp Thr Lys Glu Arg Xaa Leu

20

25

30

Gln Pro Phe Phe Lys Ser Leu Gly Pro Gly Pro Trp His Gln His His

35

40

45

5335

Xaa Ser Leu Tyr Ser Ile His Gln Lys His Leu Lys Pro Thr Gln Ile
 50 55 60

Cys Ser Met Gly Ser Ile His Val
 65 70

<210> 6104

<211> 137

<212> PRT

<213> Homo sapiens

<400> 6104

Val Tyr Lys Tyr Leu Phe Phe Lys Arg Arg Cys Cys Ala Cys Glu Thr
 1 5 10 15

Ile Leu Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Leu Val Thr Ala
 20 25 30

Lys Asp Arg Glu Pro Phe His Phe Gly His Thr Gly Leu Leu Ser Arg
 35 40 45

Ser His Phe Ser Ser Trp Leu Leu Lys Ile Thr Ala Ser Pro Val Pro
 50 55 60

Ser Trp Arg Ser Ser Arg Gly Arg Ala Asp Phe Ser Pro Thr Gly Gly
 65 70 75 80

Thr Met Trp Gly Ser Glu Gly Trp Glu Gly Asp Phe Pro Leu Glu Trp
 85 90 95

Trp Ser Cys Trp Gly Leu Ile Ser Arg Asp Pro Lys Gly Gly Leu Cys
 100 105 110

Arg Arg Phe His Ile Gly Gly Ala Leu Ser Leu Ala Ala Val Arg Val
 115 120 125

Gly Pro Gly Cys Gly Val Gln Thr Ala
 130 135

<210> 6105

<211> 65

<212> PRT

<213> Homo sapiens

<400> 6105

Gly Asn Ser Arg Val Asp Pro Arg Val Arg Arg Asn Val Thr Arg Val
 1 5 10 15

5336

Arg Gly Ser Tyr Leu Tyr Ile Gly Phe Pro Ala Glu Asn Arg Pro Leu
 20 25 30
 Leu Tyr Arg Phe Trp Val His Asn Leu Ala Leu Leu Val Asn Pro Arg
 35 40 45
 Asp Leu Ser Asp Pro Pro Pro Pro Val Phe Phe Leu Phe Leu Phe Leu
 50 55 60
 Phe
 65

<210> 6106
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 6106
 Tyr Tyr Lys Ser Tyr Cys Thr His Phe Val Leu Glu Lys Asn Thr Glu
 1 5 10 15
 Ala Val Ala Gln Thr Leu Phe Asn Ile Arg Glu Phe Ile Leu Glu Lys
 20 25 30
 Asn Pro Ala Asn Val Met Asn Leu Glu Lys His Phe Phe Ser Lys Thr
 35 40 45
 Thr Ala
 50

<210> 6107
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 6107

5337

Val Asp Arg Ala Ile Ser Ile Thr Leu Arg Pro Leu Trp Val Ile Gly
 1 5 10 15
 Ala Asp Lys Val Pro Cys Ile Ala Asp Glu Ile Ser Pro Ser Trp Thr
 20 25 30
 Phe Pro Arg Asn Gly Pro Gly Val Ser Ser Asn Leu Ser Xaa Xaa Ile
 35 40 45
 Thr Cys Leu Glu Ile Thr Leu Glu Tyr Val Ser Tyr Lys Ala Arg Ser
 50 55 60
 His Gly Asn
 65

<210> 6108

<211> 47

<212> PRT

<213> Homo sapiens

<400> 6108

Thr Arg Glu Arg Arg Gly Gly Asn Met Lys Val Asn Leu Asn Asn Phe
 1 5 10 15
 Cys Asn Thr Ser Tyr Leu Gln Thr Ile Gly Phe Met Leu Leu His Ser
 20 25 30
 Arg Cys Asp Leu Ser Tyr Val Ser Asp Arg Phe Tyr Glu Leu Phe
 35 40 45

<210> 6109

<211> 122

<212> PRT

<213> Homo sapiens

<400> 6109

Gly Pro Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys
 1 5 10 15
 Arg Pro Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys
 20 25 30
 Ile Lys Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys
 35 40 45
 Leu Gly Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr
 50 55 60

5338

Ile Thr Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala
 65 70 75 80

Asp Tyr Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys
 85 90 95

Val Ala Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Glu Glu Glu Glu
 100 105 110

Glu Glu Glu Glu Glu Glu Glu Glu Asp Glu
 115 120

<210> 6110

<211> 82

<212> PRT

<213> Homo sapiens

<400> 6110

Val Asp Phe Leu Phe Ala Ile Asn Gln Ala Lys Val Asn Ala Ile Ile
 1 5 10 15

Ser Arg Phe Met Val Asn Lys Phe Glu Val Trp Ile Asn Leu Ser His
 20 25 30

Ile Phe Tyr Cys Ser Leu Val Lys Lys Gly Thr Arg Lys Lys Ile Ser
 35 40 45

Ser Ser Leu Val Leu Ser Gln Cys Gly Asp Cys Arg Lys Leu Thr Met
 50 55 60

Pro Ala Cys Val Asn Val Trp Leu Thr Val Lys Ala Ser Phe Leu Ala
 65 70 75 80

Ala Cys

<210> 6111

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

5339

<400> 6111

Met Val Leu Arg Lys Tyr Phe Leu Trp Lys Ile Gly Arg Lys Tyr Phe
 1 5 10 15

Asn Leu Asn Ile Lys Lys Ile Gly Asn Cys Tyr Phe Gln Gln Gln Ser
 20 25 30

Pro Xaa

<210> 6112

<211> 87

<212> PRT

<213> Homo sapiens

<400> 6112

Gly Ser Pro Gly Ala His Glu Pro Cys Gln Ala Pro Ala Gly Ser Ser
 1 5 10 15

Arg His Val Pro Asp Leu Trp Gly Pro Arg Glu Gly Thr Phe Pro Ser
 20 25 30

Trp Glu Arg Arg Arg Ser Gly Gln Leu Gly Glu Gly Cys Glu His Phe
 35 40 45

Pro Pro Gly Arg Asp Gln Gly Asp Leu His Ala Leu Arg Arg Ala Trp
 50 55 60

Lys Gly Ser Glu Lys Pro Ala Asp Arg Pro Cys Pro Ser Ser Arg Asp
 65 70 75 80

His Leu Met Asn His Val Phe
 85

<210> 6113

<211> 253

<212> PRT

<213> Homo sapiens

<400> 6113

Gln Asn Leu Pro Leu Thr Arg Arg Arg Pro Thr Gly Ser Cys Val Cys
 1 5 10 15

Leu Gly Arg Gly Gly Pro Gly Gly Gly Gly Leu Arg Ala Gly Ser Arg
 20 25 30

His Pro Ala Pro Ala Ala Met His Pro Arg Arg Pro Asp Gly Phe Asp

35

45

Leu Leu Leu Lys Ser Leu Asn Leu Arg Gly Gly Asn Ala
245 250

<222> (9)

5341

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6114

Ile Leu Phe Cys Pro Ala Ala Ala Xaa Lys Ala Ser His Pro Thr Pro
1 5 10 15

Arg Thr Phe Leu Val Arg Ser Gly Leu Ala Trp Gly Pro Pro Phe Ser
20 25 30

Val Ser Leu Val Cys Leu Tyr Pro Ala Leu Leu Ser Ser Leu Cys Ser
35 40 45

Ala Cys Leu Ser Leu Phe Ala Ser Pro Phe Ser Leu Ser Cys Arg Leu
50 55 60

Leu Ser Leu Gly Pro Pro Trp Phe Cys Leu Val Ser Leu Ser Leu Leu
65 70 75 80

Ile Ser Ser Leu Tyr Ser Phe Ser Arg Ala Gly Pro Thr Gly Arg Thr
85 90 95

Arg Leu Ser Gln Ile Asn Pro His Thr Asn Lys Ile Gln Asn Gln Ile
100 105 110

Pro Leu Xaa Thr Gly Ala Gly Thr Leu Arg Arg Ser Arg Ile Lys Leu
115 120 125

Phe Ser Val Ser Glu Ala Leu Leu Thr Cys Val Cys Val Cys Val Cys
130 135 140

Val Leu Gly Glu Gly Asp Leu Asp Cys Ser Ile Arg Thr Leu Ser Glu
145 150 155 160

Thr Glu Gly Arg Trp Glu Asp Asp
165

<210> 6115

<211> 180

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (140)

5342

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6115

His Glu Val Glu Asn Asn Thr Leu Gly Ser Pro Ala Ala Ser Glu Leu
1 5 10 15

Leu Glu His Leu Lys Pro Thr Tyr Trp Phe Ser Ala His Leu His Val
20 25 30

Lys Phe Ala Ala Leu Met Gln His Gln Ala Lys Asp Lys Gly Gln Thr
35 40 45

Ala Arg Ala Thr Lys Phe Leu Ala Leu Asp Lys Cys Leu Pro His Arg
50 55 60

Asp Phe Leu Gln Ile Leu Glu Ile Glu His Asp Pro Ser Ala Pro Asp
65 70 75 80

Tyr Leu Glu Tyr Asp Ile Glu Trp Leu Thr Ile Leu Arg Ala Thr Asp
85 90 95

Asp Leu Ile Asn Val Thr Gly Arg Leu Trp Asn Met Pro Glu Asn Asn
100 105 110

Gly Leu His Ala Arg Trp Asp Tyr Ser Ala Thr Glu Glu Gly Met Lys
115 120 125

Glu Val Leu Glu Lys Leu Asn His Asp Leu Lys Xaa Pro Cys Asn Phe
130 135 140

Ser Val Thr Ala Ala Cys Tyr Asp Pro Ser Lys Pro Xaa Thr Gln Met
145 150 155 160

Gln Leu Ile His Arg Ile Asn Pro Xaa Thr Thr Glu Phe Cys Ala Gln
165 170 175

Leu Gly Ile Ile
180

5343

<210> 6116

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6116

Asn Tyr Lys Ile Cys Met Tyr Leu Ala Leu Asn His Asn Leu Lys Tyr
1 5 10 15

Phe Met Asn Ser Phe Thr Ser Ile Asp Ser Gln Asn Ser Asn Xaa Lys
20 25 30

Leu Ala Ser Glu Pro Val Arg Thr Pro Pro His Pro Ser Ser Cys Leu
35 40 45

Asp Leu Ser Thr Ala Ile Ile Leu Cys Lys Ala Val Val Leu Thr
50 55 60

<210> 6117

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5344

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6117

Thr Leu Thr Lys Gly Xaa Lys Ser Trp Xaa Ser Thr Ala Val Thr Thr
 1 5 10 15

Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala
 20 25 30

Gln Leu Thr Arg Cys Gln Leu Gly Ser Cys Ser Gly Gly Arg Lys Arg
 35 40 45

Leu Arg Arg Phe Pro Ala Leu Ser Pro Gln Pro Xaa Arg Xaa Ser Gly
 50 55 60

Ser Gln Asp Val Xaa Phe Asp Asp
 65 70

<210> 6118

<211> 257

<212> PRT

<213> Homo sapiens

<400> 6118

Pro Arg Val Arg Ala Phe Ala Gly Val Pro Thr Arg Gly Arg Thr Arg
 1 5 10 15

Gly Gln Ser Arg Arg Cys Ala Ala Glu Ala Ser Ala Gly Pro Glu Arg
 20 25 30

Asp Ala Arg Pro Gly Ala Pro Ala Ala Gly Thr Met Gly Ala Ala His
 35 40 45

Ser Ala Ser Glu Glu Val Arg Glu Leu Glu Gly Lys Thr Gly Phe Ser
 50 55 60

Ser Asp Gln Ile Glu Gln Leu His Arg Arg Phe Lys Gln Leu Ser Gly
 65 70 75 80

Asp Gln Pro Thr Ile Arg Lys Glu Asn Phe Asn Asn Val Pro Asp Leu
 85 90 95

Glu Leu Asn Pro Ile Arg Ser Lys Ile Val Arg Ala Phe Phe Asp Asn
 100 105 110

Arg Asn Leu Arg Lys Gly Pro Ser Gly Leu Ala Asp Glu Ile Asn Phe
 115 120 125

5345

Glu Asp Phe Leu Thr Ile Met Ser Tyr Phe Arg Pro Ile Asp Thr Thr
 130 135 140
 Met Asp Glu Glu Gln Val Glu Leu Ser Arg Lys Glu Lys Leu Arg Phe
 145 150 155 160
 Leu Phe His Met Tyr Asp Ser Asp Ser Asp Gly Arg Ile Thr Leu Glu
 165 170 175
 Glu Tyr Arg Asn Val Val Glu Glu Leu Leu Ser Gly Asn Pro His Ile
 180 185 190
 Glu Lys Glu Ser Ala Arg Ser Ile Ala Asp Gly Ala Met Met Glu Ala
 195 200 205
 Ala Ser Val Cys Met Gly Gln Met Glu Pro Asp Gln Val Tyr Glu Gly
 210 215 220
 Ile Thr Phe Glu Asp Phe Leu Lys Ile Trp Gln Gly Ile Asp Ile Glu
 225 230 235 240
 Thr Lys Met His Val Arg Phe Leu Asn Met Glu Thr Met Ala Leu Cys
 245 250 255

His

<210> 6119

<211> 94

<212> PRT

<213> Homo sapiens

<400> 6119

Leu Ser Ser Gly Ala Glu Gly Asp Pro Gly Ser Leu Thr Gly Arg Ala
 1 5 10 15
 Phe Phe Phe Thr Thr Thr Trp Ala Glu Val Arg Glu Phe Cys His Thr
 20 25 30
 Gly Gly Arg Val Thr His Gln Gly Gly Met Trp Leu Gln Gln Ala Lys
 35 40 45
 Gly His Arg Lys Gly Gly Ala Gly Asp Ser Arg Val Ala Ala Thr Leu
 50 55 60
 Val Gly Trp Gly Gly Ala Gly Gly Arg Ser Asn Arg Asp Gly Val Gly
 65 70 75 80

5346

Leu Lys Lys Ser Phe Phe Phe Ser Phe Phe Lys Gln Lys Lys
 85 90

<210> 6120

<211> 120

<212> PRT

<213> Homo sapiens

<400> 6120

Arg Tyr Phe Leu Lys Met Ala Lys Ile Leu Thr Thr Pro Lys Phe Ala
 1 5 10 15

His Ala Phe Arg Asn Leu Thr Phe Glu Gly Tyr Asp Gly Pro Val Thr
 20 25 30

Leu Asp Asp Trp Gly Asp Val Asp Ser Thr Met Val Leu Leu Tyr Thr
 35 40 45

Ser Val Asp Thr Lys Lys Tyr Lys Val Leu Leu Thr Tyr Asp Thr His
 50 55 60

Val Asn Lys Thr Tyr Pro Val Asp Met Ser Pro Thr Phe Thr Trp Lys
 65 70 75 80

Asn Ser Lys Leu Pro Asn Asp Ile Thr Gly Arg Gly Pro Gln Ile Leu
 85 90 95

Met Ile Ala Val Phe Thr Leu Thr Gly Ala Val Val Leu Ser Cys Arg
 100 105 110

Arg Ser Pro Asp Ala Gln Lys Ile
 115 120

<210> 6121

<211> 72

<212> PRT

<213> Homo sapiens

<400> 6121

Arg Pro Glu Gly Ala Gln Leu Cys Pro Gln Gly Lys Leu Lys Ser Pro
 1 5 10 15

Ala Leu Ser Ala Leu Gly Pro Cys Arg Ala Val Arg Val Glu Leu Pro
 20 25 30

Pro Gln Thr Leu Arg Ser His Ala Val His Ser Ser Ser Trp Ile Ser
 35 40 45

5347

Leu Arg Thr Phe Val Leu Ala Tyr Leu Asn Asp Leu Ser Thr Glu Thr
 50 55 60

Pro Gly Cys Leu Pro Leu Pro Leu
 65 70

<210> 6122

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6122

Val Leu Xaa Ser Ile Pro Phe Ile Ile Ser Tyr Val Ile Ser Leu Ser
 1 5 10 15

Phe Leu Val Gly Ser Lys Thr His Xaa Gln Phe Ser Gln Ser Ser Met
 20 25 30

Asp Ile

<210> 6123

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

5348

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6123

Ser	Ser	Phe	Pro	Gln	Pro	Pro	Xaa	His	Gly	Trp	Val	Gly	Glu	Ala	Arg
1				5					10					15	

Arg	Asn	Xaa	Leu	Arg	Gln	Glu	Val	Ala	Ala	Gln	Val	Xaa	Leu	Leu	
			20					25				30			

Ala	Ser	Glu	Pro	Thr	Glu	Val	Arg	Ser	Gly	Arg	Trp	Thr	Cys	Pro	Pro
		35					40					45			

Asn	Val	Pro	Asp	Ser	Gly	Ser	Cys	Cys	His	Trp	Ile	Ser	Trp	His	Gly
	50					55					60				

Arg	Gln	Lys	Glu	Arg											
		65													

<210> 6124

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6124

Thr	Pro	Ala	Pro	Pro	Ser	Pro	Ala	Ala	Ala	Arg	Glu	Ser	Thr	Arg	Arg
1				5						10				15	

Val	Ala	Ile	Asn	Val	Arg	Ala	Ser	Ile	Ala	Leu	Ser	Ser	Ser	Leu	Arg
			20					25					30		

Thr	Leu	Val	Leu	Pro	Arg	Leu	Thr	Pro	Thr	Ser	Pro	Gly	Pro	Arg	Gly
		35				40						45			

Trp	Gly	Asn	Leu	Ala	Val	Pro	Arg	Leu	Ser	Asn	Lys	Ala	Val	Leu	Ser
		50					55				60				

5349

Asn Ser Lys Lys Lys Lys Lys Lys Xaa Ser Phe Phe Phe Phe Phe Xaa
 65 70 75 80

<210> 6125

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6125

Ser Ser Ser Xaa Lys Xaa Asp Xaa Arg Ile Gly Lys Ala Gly Thr Pro
 1 5 10 15

Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Gly Glu
 20 25 30

Val Leu Phe Ser Thr Cys Gly Val Ser His Trp Lys His Asn Pro Ile
 35 40 45

Val Pro Glu Gly Phe Ser Pro Gln Trp Leu Ser His Pro Lys Arg Lys
 50 55 60

Ser Leu Ser Phe Leu Thr Leu Leu Phe Cys His Leu Leu Pro Leu Asp
 65 70 75 80

Asn Gln Gly Gln Gly Ala Thr Trp Lys Cys Leu Thr
 85 90

<210> 6126

<211> 105

5350

<212> PRT

<213> Homo sapiens

<400> 6126

Asp Glu Glu Ala Lys Asp Glu Lys Ala Glu Pro Asn Arg Asp Lys Ser
1 5 10 15

Val Gly Pro Leu Pro Gln Ala Asp Pro Glu Val Ser Asp Ile Glu Ser
20 25 30

Arg Ile Ala Ala Leu Arg Ala Ala Gly Leu Thr Val Lys Pro Ser Gly
35 40 45

Lys Pro Arg Arg Lys Ser Asn Leu Pro Ala Leu Tyr Glu Gly Thr Leu
50 55 60

Ser Leu Cys Ser Glu Asp Leu Lys His Thr His Pro Asp Ser Val Lys
65 70 75 80

Ser Lys Arg Ser Arg Leu Asn His Val Ala Ser Cys Gly Asn Leu Ser
85 90 95

Pro Pro Pro Arg Glu Asp Gly Cys Asp
100 105

<210> 6127

<211> 42

<212> PRT

<213> Homo sapiens

<400> 6127

Thr Pro Glu Leu Lys Arg Ser Phe His Leu Ile Leu Gln Ser Ser Trp
1 5 10 15

Asp Tyr Ser Arg Val Ser Thr Cys Leu Ala Asn Phe Ser Phe Leu Ile
20 25 30

Phe Leu Glu Leu Gly Ser His Tyr Val Ala
35 40

<210> 6128

<211> 176

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5352

<210> 6129

<211> 205

<212> PRT

<213> Homo sapiens

<400> 6129

Lys Val His Ser Ser Glu Ala Gly Leu Thr Ser Arg Phe Leu Ile Ala
 1 5 10 15

Trp Asp Val His Arg Ala Asn Val Leu Glu Gly Gly Asp Pro Thr Phe
 20 25 30

Pro Gln Leu Thr Ala Ser Pro His Ser Met Asp Ser Met Leu Pro Ser
 35 40 45

Gly Glu Gly Gly Pro Lys Arg Thr His Pro Thr Val Pro Gly Ile Pro
 50 55 60

Gly Gly Thr Arg Ala Gly Ala Gly Lys Ile Gly Arg Met Ile Ala Glu
 65 70 75 80

Glu Ile Met Glu Ile His Arg Ile Arg Gly Ser Ser Pro Ser Ser Cys
 85 90 95

Gly Ser Ser Pro Leu Asn Ile Thr Ser Thr Pro Pro Pro Asp Ala Ser
 100 105 110

Ser Pro Gly Gly Lys Lys Ile Leu Asn Gly Gly Thr Pro Asp Ile Pro
 115 120 125

Ser Ser Gly Leu Leu Ser Gly Gln Ala Gln Glu Asn Pro Gly Tyr Pro
 130 135 140

Tyr Ser Asp Ser Ser Ser Ile Leu Gly Glu Asn Pro His Ile Gly Ile
 145 150 155 160

Asp Met Ile Asp Asn Asp Gln Gly Ser Ser Ser Pro Ser Asn Asp Glu
 165 170 175

Ala Ala Met Ala Val Ile Met Ser Leu Leu Glu Ala Asp Ala Gly Leu
 180 185 190

Gly Gly Pro Val Asp Phe Ser Asp Leu Pro Trp Pro Leu
 195 200 205

<210> 6130

<211> 63

<212> PRT

5355

65				70				75				80			
Ser	Lys	Leu	Pro	Pro	Asn	His	Glu	Asp	Leu	Ala	Lys	Val	Ala	Lys	Ile
				85				90				95			
Gly	Thr	Asp	Val	Leu	Ser	Thr	Arg	Tyr	Glu	Thr	Arg	Tyr	Ile	Tyr	Gly
				100				105				110			
Pro	Ile	Glu	Ser	Thr	Ile	Tyr	Pro	Ile	Ser	Gly	Ser	Ser	Leu	Asp	Trp
				115				120				125			
Ala	Tyr	Asp	Leu	Gly	Ile	Lys	His	Thr	Phe	Ala	Phe	Glu	Leu	Arg	Asp
				130				135				140			
Lys	Gly	Lys	Phe	Gly	Phe	Leu	Leu	Pro	Glu	Ser	Arg	Ile	Lys	Pro	Thr
145				150				155				160			
Cys	Arg	Glu	Thr	Met	Leu	Ala	Val	Lys	Phe	Ile	Ala	Lys	Tyr	Ile	Leu
				165				170				175			
Lys	His	Thr	Ser												
180															

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<210> 6134
<211> 42
<212> PRT
<213> Homo sapiens
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<400> 6134
Met Val Leu Phe Ala Val Thr Gln Thr Thr Leu His Lys Thr Phe Phe
  1                      5                      10                      15
Pro Lys Trp Tyr Lys Phe Ile Asn Tyr His Phe Ser Leu Thr Val Phe
      20                      25                      30
Val Asn Thr Thr Leu Gln Lys Ser Ala Phe
      35                      40

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<210> 6135
<211> 212
<212> PRT
<213> Homo sapiens
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<400> 6135
Phe Tyr Leu Gly Ser Ser Thr Ala Ser Asp Phe Leu Ala Val Glu Met
1 5 10 15

5356

Arg Arg Gly Arg Val Ala Phe Leu Trp Asp Leu Gly Ser Gly Ser Thr
 20 25 30
 Arg Leu Glu Phe Pro Asp Phe Pro Ile Asp Asp Asn Arg Trp His Ser
 35 40 45
 Ile His Val Ala Arg Phe Gly Asn Ile Gly Ser Leu Ser Val Lys Glu
 50 55 60
 Met Ser Ser Asn Gln Lys Ser Pro Thr Lys Thr Ser Lys Ser Pro Gly
 65 70 75 80
 Thr Ala Asn Val Leu Asp Val Asn Asn Ser Thr Leu Met Phe Val Gly
 85 90 95
 Gly Leu Gly Gly Gln Ile Lys Lys Ser Pro Ala Val Lys Val Thr His
 100 105 110
 Phe Lys Gly Cys Leu Gly Glu Ala Phe Leu Asn Gly Lys Ser Ile Gly
 115 120 125
 Leu Trp Asn Tyr Ile Glu Arg Glu Gly Lys Cys Arg Gly Cys Phe Gly
 130 135 140
 Ser Ser Gln Asn Glu Asp Pro Ser Phe His Phe Asp Gly Ser Gly Tyr
 145 150 155 160
 Ser Val Val Glu Lys Ser Leu Pro Ala Thr Val Thr Gln Ile Ile Met
 165 170 175
 Leu Phe Asn Thr Phe Ser Pro Asn Gly Leu Leu Ser Leu Pro Gly Phe
 180 185 190
 Ile Arg His Lys Arg Leu Phe Ile His Arg Ala Val Ser Trp Gln Ser
 195 200 205
 Glu Gly Tyr Asp
 210

<210> 6136

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

5357

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6136

His	Ala	Ser	Pro	Pro	Ser	Glu	Lys	Lys	Ile	Leu	Arg	Gln	Ser	Met	Cys
1				5					10					15	

Phe	Ser	Cys	Pro	Ser	Xaa	His	Arg	Ser	Leu	Ser	Xaa	Thr	Gln	Xaa	Asp
			20					25					30		

Phe	Ser	Gly	Val	Lys	Phe	Arg	Arg	His	Gly	Ala	Asp	Asn	His	Glu	Ala
		35					40					45			

Ser	Ala	Ala	Thr	Ala	Thr	Thr	Ala	Ala	Ala	Thr	Thr	Val	Ala	Ala	Ala
	50					55					60				

Ala	Ala	Ala	Ala	Ala	Ala	Arg	Val	Thr	Leu	Thr
65					70				75	

<210> 6137

<211> 186

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6137

Lys	Leu	Thr	Leu	Thr	Lys	Gly	Xaa	Lys	Ser	Trp	Glu	Leu	His	Arg	Gly
1				5					10					15	

Asp	Xaa	Arg	Ser	Arg	Thr	Ser	Gly	Ser	Pro	Gly	Leu	Gln	Glu	Phe	Gly
			20					25					30		

Thr	Arg	Thr	Thr	Glu	Gly	Glu	Glu	Ile	Thr	Glu	Ser	Ser	Ser	Thr	Glu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5358

	35						40						45					
Glu	Met	Glu	Val	Arg	Ser	Val	Val	Ala	Asp	Thr	Asp	Gln	Lys	Ala	Leu			
	50					55					60							
Gly	Ser	Glu	Val	Gln	Asp	Ala	Ser	Lys	Val	Thr	Thr	Gln	Ile	Asp	Lys			
65					70					75					80			
Glu	Lys	Lys	Glu	Ile	Pro	Val	Ser	Ile	Lys	Lys	Glu	Pro	Glu	Val	Thr			
				85					90					95				
Val	Val	Ser	Gln	Pro	Thr	Glu	Pro	Gln	Pro	Val	Leu	Ile	Pro	Ser	Ile			
			100					105					110					
Asn	Ile	Asn	Ser	Asp	Ser	Gly	Glu	Asn	Lys	Glu	Glu	Ile	Gly	Ser	Leu			
		115					120					125						
Ser	Lys	Thr	Glu	Thr	Ile	Leu	Pro	Pro	Glu	Ser	Glu	Asn	Pro	Lys	Glu			
	130					135					140							
Asn	Asp	Asn	Asp	Ser	Gly	Thr	Gly	Ser	Thr	Ala	Asp	Thr	Ser	Ser	Ile			
145					150					155					160			
Asp	Leu	Asn	Leu	Ser	Ile	Ser	Ser	Phe	Leu	Ser	Lys	Thr	Lys	Asp	Ser			
				165					170					175				
Gly	Ser	Ile	Ser	Leu	Gln	Glu	Thr	Lys	Lys									
			180					185										

<210> 6138

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

5359

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6138

Xaa Xaa Leu Leu Lys Gly Thr Lys Xaa Gly Ser Ser Thr Ala Val Xaa
 1 5 10 15

Thr Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
 20 25 30

Ala Gly Ser Gly Pro Glu Pro Glu Ser Glu Ser Glu Ser Glu Ser Glu
 35 40 45

Pro Lys Ser Glu Cys Gln Ser Glu Pro Asp Ser Glu Ser Asp Ala Glu
 50 55 60

Ser Asp Ser Glu Phe Glu Pro Glu Gly Glu Pro Gly Lys Pro Glu Ala
 65 70 75 80

Glu Leu Arg Gln Gly Ala Glu
 85

<210> 6139

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6139

Arg Ala Phe Gly Gln Ala Arg Xaa Ala Ala Glu Ala Ile Ser Leu Thr
 1 5 10 15

Gln Gly Arg Ser Cys Pro Glu Pro Ala Thr Ala Leu Ser Gln Pro Ala

5360

[illegible]

<210> 6140

<211> 594

<212> PRT

<213> Homo sapiens

<400> 6140

Arg	Gln	Ile	Phe	Gln	Ser	Leu	Pro	Pro	Phe	Met	Asp	Ile	Leu	Leu	Leu
1				5					10					15	
Leu	Leu	Phe	Phe	Met	Ile	Ile	Phe	Ala	Ile	Leu	Gly	Phe	Tyr	Leu	Phe
			20					25					30		
Ser	Pro	Asn	Pro	Ser	Asp	Pro	Tyr	Phe	Ser	Thr	Leu	Glu	Asn	Ser	Ile
		35					40					45			
Val	Ser	Leu	Phe	Val	Leu	Leu	Thr	Thr	Ala	Asn	Phe	Pro	Asp	Val	Met
	50					55					60				
Met	Pro	Ser	Tyr	Ser	Arg	Asn	Pro	Trp	Ser	Cys	Val	Phe	Phe	Ile	Val
65					70					75					80
Tyr	Leu	Ser	Ile	Glu	Leu	Tyr	Phe	Ile	Met	Asn	Leu	Leu	Leu	Ala	Val
				85					90					95	
Val	Phe	Asp	Thr	Phe	Asn	Asp	Ile	Glu	Lys	Arg	Lys	Phe	Lys	Ser	Leu
			100					105					110		
Leu	Leu	His	Lys	Arg	Thr	Ala	Ile	Gln	His	Ala	Tyr	Arg	Leu	Leu	Ile
		115					120					125			
Ser	Gln	Arg	Arg	Pro	Ala	Gly	Ile	Ser	Tyr	Arg	Gln	Phe	Glu	Gly	Leu
	130					135					140				
Met	Arg	Phe	Tyr	Lys	Pro	Arg	Met	Ser	Ala	Arg	Glu	Arg	Tyr	Leu	Thr
145				150						155					160

5361

Phe Lys Ala Leu Asn Gln Asn Asn Thr Pro Leu Leu Ser Leu Lys Asp
 165 170 175

Phe Tyr Asp Ile Tyr Glu Val Ala Ala Leu Lys Trp Lys Ala Lys Lys
 180 185 190

Asn Arg Glu His Trp Phe Asp Glu Leu Pro Arg Thr Ala Leu Leu Ile
 195 200 205

Phe Lys Gly Ile Asn Ile Leu Val Lys Ser Lys Ala Phe Gln Tyr Phe
 210 215 220

Met Tyr Leu Val Val Ala Val Asn Gly Val Trp Ile Leu Val Glu Thr
 225 230 235 240

Phe Met Leu Lys Gly Gly Asn Phe Phe Ser Lys His Val Pro Trp Ser
 245 250 255

Tyr Leu Val Phe Leu Thr Ile Tyr Gly Val Glu Leu Phe Leu Lys Val
 260 265 270

Ala Gly Leu Gly Pro Val Glu Tyr Leu Ser Ser Gly Trp Asn Leu Phe
 275 280 285

Asp Phe Ser Val Thr Val Phe Ala Phe Leu Gly Leu Leu Ala Leu Ala
 290 295 300

Leu Asn Met Glu Pro Phe Tyr Phe Ile Val Val Leu Arg Pro Leu Gln
 305 310 315 320

Leu Leu Arg Leu Phe Lys Leu Lys Glu Arg Tyr Arg Asn Val Leu Asp
 325 330 335

Thr Met Phe Glu Leu Leu Pro Arg Met Ala Ser Leu Gly Leu Thr Leu
 340 345 350

Leu Ile Phe Tyr Tyr Ser Phe Ala Ile Val Gly Met Glu Phe Phe Cys
 355 360 365

Gly Ile Val Phe Pro Asn Cys Cys Asn Thr Ser Thr Val Ala Asp Ala
 370 375 380

Tyr Arg Trp Arg Asn His Thr Val Gly Asn Arg Thr Val Val Glu Glu
 385 390 395 400

Gly Tyr Tyr Tyr Leu Asn Asn Phe Asp Asn Ile Leu Asn Ser Phe Val
 405 410 415

Thr Leu Phe Glu Leu Thr Val Val Asn Asn Trp Tyr Ile Ile Met Glu
 420 425 430

5363

Pro Leu Leu Glu Gly Gln Ile Arg Glu Ser His Gln Lys Ala Thr Glu
 50 55 60

Glu Leu Arg Arg Cys Gly Ala Asp Ile Pro Ser Gln Glu Ala Asp Lys
 65 70 75 80

Met Phe Phe Leu Ile Glu Lys Ile Lys Met Phe Asn Gln Asp Ile Glu
 85 90 95

Lys Leu Val Glu Gly Glu Glu Val Val Arg Glu Asn Glu Thr Arg Leu
 100 105 110

Tyr Asn Lys Ile Arg Glu Asp Phe Lys Asn Trp Val Gly Ile Leu Ala
 115 120 125

Thr Asn Thr Gln Lys Val Lys Asn Ile Ile His Glu Glu Val Glu Lys
 130 135 140

Tyr Glu Lys Gln Tyr Arg Gly Lys Glu Leu Leu Gly Phe Val Asn Tyr
 145 150 155 160

Lys Thr Phe Glu Ile Ile Val His Gln Tyr Ile Gln Gln Leu Val Glu
 165 170 175

Pro Ala Leu Ser Met Leu Gln Lys Ala Met Glu Ile Ile Gln Gln Ala
 180 185 190

Phe Ile Asn Val Ala Lys Lys His Phe Gly Glu Phe Phe Asn Leu Asn
 195 200 205

Gln Thr Val Gln Ser Thr Ile Glu Asp Ile Lys Val Lys His Thr Ala
 210 215 220

Lys Ala Glu Asn Met Ile Gln Leu Gln Phe Arg Met Glu Gln Met Val
 225 230 235 240

Phe Cys Gln Asp Gln Ile Tyr Ser Val Val Leu Lys Lys Val Arg Glu
 245 250 255

Glu Ile Phe Asn Pro Leu Gly Thr Pro Ser Gln Asn Met Lys Leu Asn
 260 265 270

Ser His Phe Pro Ser Asn Glu Ser Ser Val Ser Ser Phe Thr Glu Ile
 275 280 285

Gly Ile His Leu Asn Ala Tyr Phe Leu Glu Thr Ser Lys Arg Leu Ala
 290 295 300

Asn Gln Ile Pro Phe Ile Ile Gln Tyr Phe Met Leu Arg Glu Asn Gly
 305 310 315 320

5364

Asp Ser Leu Gln Lys Ala Met Met Gln Ile Leu Gln Glu Lys Asn Arg
 325 330 335

Tyr Ser Trp Leu Leu Gln Glu Gln Ser Glu Thr Ala Thr Lys Arg Arg
 340 345 350

Ile Leu Lys Glu Arg Ile Tyr Arg Leu Thr Gln Ala Arg His Ala Leu
 355 360 365

Cys Gln Phe Ser Ser Lys Glu Ile His
 370 375

<210> 6142

<211> 87

<212> PRT

<213> Homo sapiens

<400> 6142

Gln Ile Lys Gly Glu Val Leu Ala Lys Ser Ile Cys Glu Asp Asp Thr
 1 5 10 15

Leu Gly Ile Ala Gly His Lys Thr Gly Lys Val Gly Lys Cys Ser Leu
 20 25 30

Asn Gly Ala Tyr Thr Leu Ser Tyr Arg Gln Trp Glu Ala Leu Gly Lys
 35 40 45

Asn Thr Val Ile Arg Lys Phe Cys Ile His Phe Ser Asn Gly Glu Lys
 50 55 60

Leu Gly Asn Ser Leu Leu Gly Gly Ser Leu Trp Ala Gly Ile Ser Gln
 65 70 75 80

Leu Ile Ser Gly Phe Ile Phe
 85

<210> 6143

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6143

5365

Ile Arg His Arg Leu Asp Leu Leu Leu Gly Val Arg Glu Lys Ser Val
 1 5 10 15

Ser Xaa Leu Leu Val Leu Leu Pro Lys Cys Phe Tyr Lys Glu Met Thr
 20 25 30

Gly Asp Ile Tyr Ser Pro Lys Glu Leu Ile Tyr
 35 40

<210> 6144

<211> 76

<212> PRT

<213> Homo sapiens

<400> 6144

His Lys Arg Cys Leu Ile Phe Ile Gln Ala Ile Phe Ala His Ile His
 1 5 10 15

Gln Asn Gly Met Thr Gln Gly Lys Asn His Phe Ala Lys Gly Asn Lys
 20 25 30

Thr Ser Cys Arg Gln Leu Asp Thr Phe Arg Leu Phe Arg Lys Val Cys
 35 40 45

Thr Gly Thr Leu Ile Gly Ile Leu Leu Val Tyr Leu Leu Ser Tyr Phe
 50 55 60

Lys Val Val Ala Leu Ile Ile Val Val Ser Val Phe
 65 70 75

<210> 6145

<211> 112

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6145

Trp Met Lys Met Arg Lys Thr Glu Pro Arg Glu Leu Leu Glu Thr Ser
 1 5 10 15

Leu Arg Lys Lys Arg Arg Asp Gln Phe Asn Val Leu Ile Lys Glu Leu
 20 25 30

5366

Ser	Ser	Met	Leu	Pro	Gly	Asn	Thr	Arg	Lys	Met	Asp	Lys	Thr	Thr	Val
		35					40					45			
Leu	Glu	Lys	Val	Ile	Gly	Phe	Leu	Gln	Lys	His	Asn	Glu	Val	Ser	Ala
	50					55					60				
Gln	Thr	Glu	Ile	Cys	Asp	Ile	Gln	Gln	Asp	Trp	Xaa	Pro	Ser	Phe	Leu
	65				70					75					80
Ser	Asn	Glu	Glu	Phe	Thr	Gln	Leu	Met	Leu	Glu	Ser	His	Phe	Arg	Asp
				85					90					95	
Cys	Glu	Glu	Ser	Arg	Cys	His	Val	Leu	Val	Ala	Arg	Met	Phe	Pro	Phe
			100					105					110		

<210> 6146

<211> 75

<212> PRT

<213> Homo sapiens

<400> 6146

Ser	Phe	Thr	Pro	Ala	Asn	Thr	Ser	Ile	Leu	Leu	Ile	Asn	Gly	Asn	Ile
1				5					10					15	
Leu	Met	Cys	His	Phe	Leu	Ser	Lys	Gln	Val	Ser	Tyr	Thr	Ala	Pro	Arg
			20					25					30		
Gly	Pro	Arg	Glu	Ala	Glu	Ala	Gln	Thr	Glu	Gly	Glu	His	Ser	Leu	Ala
		35					40					45			
Gly	Arg	His	Met	Pro	Gly	Arg	Met	Thr	Ile	Gly	Ile	Ala	Ser	Ser	Ile
	50					55					60				
Asn	Gln	Leu	Leu	Lys	Gly	Phe	Leu	Ser	Asp	Ser					
65					70					75					

<210> 6147

<211> 32

<212> PRT

<213> Homo sapiens

<400> 6147

Thr Leu Cys Val Gly Ser Trp Gln Ala Ala Met Ser Leu Gly Ile Ile
1 5 10 15

5367

Glu Ile Ile Asp Asp Thr Glu His Ser Tyr Ala Leu Ser Leu Tyr Ser
 20 25 30

<210> 6148

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6148

Gln Asp Arg Lys Gly Asp Arg Xaa Arg Leu Tyr Leu Lys Lys Xaa Xaa
 1 5 10 15

Thr Ile Leu Phe Leu Ile Leu Phe Asn Ser Ser Phe Leu Phe Phe Ser
 20 25 30

Pro Trp Leu Leu Cys Ser Leu Ile Val Ile
 35 40

<210> 6149

<211> 74

<212> PRT

<213> Homo sapiens

<400> 6149

Asp Phe Phe Phe Lys Arg Thr Phe Lys Ile Met Ile Ser Asn Phe Asn
 1 5 10 15

Cys Ile Tyr Arg Gly Phe Lys Glu Ser Leu Ile Ser Cys Thr Leu Leu

5368

	20		25		30
Arg	Leu	Ser	Tyr	Ser	Phe
	35		40		45
Glu	Ala	Asp	Pro	Leu	Gln
	50		55		60
Ser	Arg	Leu	Leu	Gln	Ser
	65		70		

<210> 6150

<211> 35

<212> PRT

<213> Homo sapiens

<400> 6150

Leu	Thr	Leu	Tyr	Asp	Met	Cys	Lys	Ala	Val	Ser	Arg	Asp	Ile	Val	Leu
1			5				10						15		

Glu	Glu	Ile	Lys	Leu	Ile	Ser	Lys	Thr	Gly	Gly	Gln	Arg	Gly	Asp	Phe
		20					25						30		

His	Arg	Ala
		35

<210> 6151

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6151

Leu	Ser	Thr	Glu	Cys	Asp	Arg	Tyr	Cys	Ser	Lys	His	Phe	Ile	Cys	Asn
1				5				10						15	

Asp	Leu	Leu	Leu	Gln	Asn	Thr	Pro	Met	Ser	Asn	Val	Leu	Leu	Ser	Pro
			20					25					30		

Tyr	Leu	Gln	Leu	Arg	Lys	Leu	Gly	Thr	Glu	Xaa	Leu	Ser	Asn
		35				40						45	

5369

<210> 6152

<211> 66

<212> PRT

<213> Homo sapiens

<400> 6152

Ala Lys Ile Lys Gly Leu Gln Lys His Ser Phe Leu Cys Cys Ser Leu
1 5 10 15

Leu Gly Phe Met Gln Arg Gln Phe Cys Val Asn Val Gln Leu Thr Leu
20 25 30

Ile Trp Lys Tyr Glu Asn Gln Ser Ile Leu Val Ile Lys Asn Phe Phe
35 40 45

Thr Ile Val Ile Ile Leu Met Phe Ile Leu Cys Lys Ile Thr His Leu
50 55 60

Ile Lys
65

<210> 6153

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6153

Gly Val Leu Gly Gln Xaa Val Thr Xaa Tyr Phe Ser Gln Pro Leu Xaa
1 5 10 15

Cys Asp Trp Arg Thr Leu Leu Phe Ser His Val Phe Leu Ile Met Pro
20 25 30

5370

Glu Ser Pro Thr Pro Leu Leu Gly Arg Asp Ile Leu Gly Lys Ala Gly
 35 40 45

Ala Val Ile His
 50

<210> 6154

<211> 83

<212> PRT

<213> Homo sapiens

<400> 6154

Ser Val Trp Gly Ser Val Ser Phe Pro Gly Ser Trp His Ser Ser Gly
 1 5 10 15

Pro Leu Ser Leu Pro Leu Leu Gly Glu Gly Gly Lys Arg Glu Ile Pro
 20 25 30

Ser Ser Gln Pro Glu Arg Ala Glu Ala Asp Arg Ser Pro Leu Ala Leu
 35 40 45

Cys Ala Cys Val Arg Ala Ser Val Ser Leu Leu Val Gly Arg Ser Asp
 50 55 60

Val Val Gly Gly Lys Pro Gly Met Tyr Pro Phe Gln Thr Lys Leu Asn
 65 70 75 80

Ile Leu Lys

<210> 6155

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6155

Glu Asn Ala Leu Gln Thr Phe Leu His Pro Thr Pro Pro Asn Ser Glu

5371

1	5	10	15
Ala Cys Trp Asp Pro Ser Ser Pro Ile Gly Ser Pro Gly Xaa Pro Ser	20	25	30
Val Phe Thr Gln Ser Arg Pro Phe Phe Arg Ser Phe Pro Val Arg Gly	35	40	45
Arg Tyr Thr Trp Thr Arg Ile Tyr Pro His Leu Thr Thr Leu Lys Ser	50	55	60
Cys Phe Leu Pro Xaa Ile His Ile Leu Ser Ser Cys His Leu Pro Ile	65	70	75
Gln Leu His Ile Cys Leu Ile Ala Leu Phe Phe Ser Val His Leu Ser	85	90	95

<210> 6156

<211> 89

<212> PRT

<213> Homo sapiens

<400> 6156

Leu Ala Ile Ser Phe Thr Lys Met Ser Ser Ala Ala Glu Asn Gly Glu	1	5	10	15
Ala Ala Pro Gly Lys Gln Asn Glu Glu Lys Thr Tyr Lys Lys Thr Ala	20	25	30	
Ser Ser Ala Ile Lys Gly Ala Ile Gln Leu Gly Ile Gly Tyr Thr Val	35	40	45	
Gly Asn Leu Thr Ser Lys Pro Glu Pro Arg Cys Ser Tyr Ala Arg Leu	50	55	60	
Leu Cys Gly Gly Lys Cys Val Pro Thr Gln Arg Arg Glu Ala Ile Leu	65	70	75	80
Thr Pro Ala His His Tyr Pro Arg Leu	85			

<210> 6157

<211> 36

<212> PRT

5372

<213> Homo sapiens

<400> 6157

Thr Ala Cys Lys Ile Leu Tyr Met Arg Cys Cys Arg Tyr Arg Asn Glu
 1 5 10 15

Phe Ser Val His Val Trp Leu Ile Phe Phe Val His Asp Phe Cys Met
 20 25 30

Phe Pro Phe Gln
 35

<210> 6158

<211> 387

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6158

Pro Ala Gln Arg Pro Pro Pro Ala Xaa Gly Ala Ser Arg Gly Pro Gly
 1 5 10 15

Gln Thr Arg Cys Glu Met Glu Lys Tyr Leu Thr Pro Gln Leu Pro Pro
 20 25 30

Val Pro Ile Ile Pro Glu His Lys Lys Tyr Arg Arg Asp Ser Ala Ser
 35 40 45

Val Val Asp Gln Phe Phe Thr Asp Thr Glu Gly Leu Pro Tyr Ser Ile
 50 55 60

Asn Met Asn Val Phe Leu Pro Asp Ile Thr His Leu Arg Thr Gly Leu
 65 70 75 80

Tyr Lys Ser Gln Arg Pro Cys Val Thr His Ile Lys Thr Glu Pro Val
 85 90 95

Ala Ile Phe Ser His Gln Ser Glu Thr Thr Ala Pro Pro Pro Ala Pro
 100 105 110

Thr Gln Ala Leu Pro Glu Phe Thr Ser Ile Phe Ser Ser His Gln Thr
 115 120 125

Ala Ala Pro Glu Val Asn Asn Ile Phe Ile Lys Gln Glu Leu Pro Thr
 130 135 140

5373

Pro Asp Leu His Leu Ser Val Pro Thr Gln Gln Gly His Leu Tyr Gln
 145 150 155 160
 Leu Leu Asn Thr Pro Asp Leu Asp Met Pro Ser Ser Thr Asn Gln Thr
 165 170 175
 Ala Ala Met Asp Thr Leu Asn Val Ser Met Ser Ala Ala Met Ala Gly
 180 185 190
 Leu Asn Thr His Thr Ser Ala Val Pro Gln Thr Ala Val Lys Gln Phe
 195 200 205
 Gln Gly Met Pro Pro Cys Thr Tyr Thr Met Pro Ser Gln Phe Leu Pro
 210 215 220
 Gln Gln Ala Thr Tyr Phe Pro Pro Ser Pro Pro Ser Ser Glu Pro Gly
 225 230 235 240
 Ser Pro Asp Arg Gln Ala Glu Met Leu Gln Asn Leu Thr Pro Pro Pro
 245 250 255
 Ser Tyr Ala Ala Thr Ile Ala Ser Lys Leu Ala Ile His Asn Pro Asn
 260 265 270
 Leu Pro Thr Thr Leu Pro Val Asn Ser Gln Asn Ile Gln Pro Val Arg
 275 280 285
 Tyr Asn Arg Arg Ser Asn Pro Asp Leu Glu Lys Arg Arg Ile His Tyr
 290 295 300
 Cys Asp Tyr Pro Gly Cys Thr Lys Val Tyr Thr Lys Ser Ser His Leu
 305 310 315 320
 Lys Ala His Leu Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Thr
 325 330 335
 Trp Glu Gly Cys Asp Trp Arg Phe Ala Arg Ser Asp Glu Leu Thr Arg
 340 345 350
 His Tyr Arg Lys His Thr Gly Ala Lys Pro Phe Gln Cys Gly Val Cys
 355 360 365
 Asn Arg Ser Phe Ser Arg Ser Asp His Leu Ala Leu His Met Lys Arg
 370 375 380
 His Gln Asn
 385

5374

<210> 6159

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6159

Thr	Gly	Asn	Ser	Gln	Ser	Xaa	Phe	Thr	His	His	Leu	Pro	Val	Asn	Ser
1					5				10					15	

Gln	Asn	Xaa	Gln	Pro	Val	Arg	Tyr	Asn	Arg	Arg	Ser	Asn	Pro	Asp	Leu
			20					25					30		

Glu	Lys	Arg	Arg	Ile	His	Tyr	Cys	Asp	Tyr	Pro	Gly	Cys	Thr	Lys	Val
	35						40					45			

Tyr	Thr	Lys	Ser	Ser	His	Leu	Lys	Ala	His	Leu	Arg	Thr	His	Thr	Gly
	50					55					60				

Glu	Val	Ile	Ser	Thr	Arg	Leu	Phe	Cys	Phe	Asn	Leu	Gln	Lys	Glu	Gly
65					70					75				80	

Val

<210> 6160

<211> 142

<212> PRT

<213> Homo sapiens

<400> 6160

Val	Leu	Pro	Pro	Leu	Leu	Ile	Met	Leu	Val	Ile	Tyr	Ile	Lys	Ile	Phe
1				5					10				15		

Leu	Val	Ala	Cys	Arg	Gln	Leu	Gln	Arg	Thr	Glu	Leu	Met	Asp	His	Ser
			20					25					30		

Arg	Thr	Thr	Leu	Gln	Arg	Glu	Ile	His	Ala	Ala	Lys	Ser	Leu	Ala	Met
	35						40					45			

5376

Arg Cys Val Arg Thr Trp Ala Arg Ala Gly Arg Thr Ile Leu Ile Pro
 20 25 30
 Leu Phe Pro Ala Tyr His Leu Cys Ser Pro Phe Ser Ser Leu Pro Phe
 35 40 45
 Asn Cys Leu Leu Cys Phe Val Ser Tyr His Cys Cys Trp Cys Leu Glu
 50 55 60
 Pro Ala Ser Ser Thr Trp Gln Thr Ser Arg Pro Cys Gly Gln Arg Leu
 65 70 75 80
 Gly Leu His Ile Tyr Ile Ser Gln Met Ile Trp Val Asp Gly Asp Arg
 85 90 95

<210> 6163

<211> 53

<212> PRT

<213> Homo sapiens

<400> 6163

Ile Leu Cys Thr Arg Ile Pro Gly Arg Val Phe Tyr Pro Trp Lys Gln
 1 5 10 15
 Val Ser Asp Tyr Phe Val Phe Thr Val Arg Val Ser Ser Leu Glu Met
 20 25 30
 Leu Thr Leu Lys Ser Val Phe Phe Ser Leu Tyr Leu Lys Ile Val Asn
 35 40 45
 Ile Leu Ile Ser Ser
 50

<210> 6164

<211> 105

<212> PRT

<213> Homo sapiens

<400> 6164

Ile Arg His Glu Gly Ala Gly Pro Ser Gln Leu Arg Leu His Tyr Pro
 1 5 10 15
 Arg Ile Ser Met Ala Val Arg Gln Trp Val Ile Ala Leu Ala Leu Ala

5377

	20		25		30	
Ala	Leu	Leu	Val	Val	Asp	Arg
	35		40		45	
Pro	Phe	Ser	Arg	Met	Pro	Ile
	50		55		60	
Cys	Ser	Gln	Met	Ser	Asn	Leu
	65		70		75	
Thr	Asn	Glu	Cys	Gln	Leu	Cys
			85		90	
Ile	Gln	Ile	Met	Lys	Asp	Gly
			100		105	

<210> 6165
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 6165
 His Arg Leu Asp Phe Leu Gln Leu Met Ile Asp Ser Gln Asn Ser Lys
 1 5 10 15
 Glu Thr Glu Ser His Lys Ala Leu Ser Asp Leu Glu Leu Ala Ala Gln
 20 25 30
 Ser Ile Ile Phe Ile Phe Ala Gly Tyr Glu Thr Thr Ser Ser Val Leu
 35 40 45
 Ser Phe Thr Leu Tyr Glu Leu Ala Thr His Pro Asp Val Gln Gln Lys
 50 55 60
 Leu Gln Lys Gly Asp
 65

<210> 6166
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 6166
 His Arg Leu Asp Phe Leu Gln Leu Met Ile Asp Ser Gln Asn Ser Lys
 1 5 10 15

5379

Val Val Xaa Leu Pro Gly Leu
115

<210> 6168

<211> 192

<212> PRT

<213> Homo sapiens

<400> 6168

Pro Glu Gln Arg Gly Ser Ser Met Ala His Gly Pro Gly Ala Leu Met
1 5 10 15

Leu Lys Cys Val Val Val Gly Asp Gly Ala Val Gly Lys Thr Cys Leu
20 25 30

Leu Met Ser Tyr Ala Asn Asp Ala Phe Pro Glu Ser Thr Cys Pro Pro
35 40 45

Ser Ser Thr Thr Thr Gln Glu Asp Tyr Asp Arg Leu Arg Pro Leu Ser
50 55 60

Tyr Pro Met Thr Asp Val Phe Leu Ile Cys Phe Ser Val Val Asn Pro
65 70 75 80

Ala Ser Phe Gln Asn Val Lys Glu Glu Trp Val Pro Glu Leu Lys Glu
85 90 95

Tyr Ala Pro Asn Val Pro Phe Leu Leu Ile Gly Thr Gln Ile Asp Leu
100 105 110

Arg Asp Asp Pro Lys Thr Leu Ala Arg Leu Asn Asp Met Lys Glu Lys
115 120 125

Pro Ile Cys Val Glu Gln Gly Gln Lys Leu Ala Lys Glu Ile Gly Ala
130 135 140

Cys Cys Tyr Val Glu Cys Ser Ala Leu Thr Gln Lys Gly Leu Lys Thr
145 150 155 160

Val Phe Asp Glu Ala Ile Ile Ala Ile Leu Thr Pro Lys Lys His Thr
165 170 175

Val Lys Lys Arg Ile Gly Ser Arg Cys Ile Asn Cys Cys Leu Ile Thr
180 185 190

5380

<210> 6169

<211> 51

<212> PRT

<213> Homo sapiens

<400> 6169

Ala	Lys	Cys	Arg	Pro	Val	Cys	Ser	Cys	Val	Phe	Phe	Leu	Trp	Leu	Pro
1				5					10					15	

His	Leu	Phe	His	Leu	Gln	Leu	Asp	Pro	Pro	Leu	Gln	Ile	Glu	Asn	Ser
			20					25						30	

Gly	Gly	Gly	Trp	Gly	Leu	Lys	Ser	Arg	Glu	Pro	Pro	Phe	Cys	Ser	Thr
		35					40					45			

Asn	Phe	Thr
	50	

<210> 6170

<211> 353

<212> PRT

<213> Homo sapiens

<400> 6170

Arg	Arg	Arg	Ser	Val	Leu	Pro	Val	Thr	Ala	Ala	Ala	Ala	Ala	Ala	Pro
1				5					10					15	

Asp	Thr	Cys	Gly	Gly	Gly	Gly	Asp	Pro	Ala	Ala	Gly	Ala	Glu	Met	Trp
			20					25					30		

Pro	Leu	Val	Ala	Ala	Leu	Leu	Leu	Gly	Ser	Ala	Cys	Cys	Gly	Ser	Ala
		35						40				45			

Gln	Leu	Leu	Phe	Asn	Lys	Thr	Lys	Ser	Val	Glu	Phe	Thr	Phe	Cys	Asn
	50					55					60				

Asp	Thr	Val	Val	Ile	Pro	Cys	Phe	Val	Thr	Asn	Met	Glu	Ala	Gln	Asn
65					70					75				80	

Thr	Thr	Glu	Val	Tyr	Val	Lys	Trp	Lys	Phe	Lys	Gly	Arg	Asp	Ile	Tyr
			85						90					95	

Thr	Phe	Asp	Gly	Ala	Leu	Asn	Lys	Ser	Thr	Val	Pro	Thr	Asp	Phe	Ser
			100					105					110		

Ser	Ala	Lys	Ile	Glu	Val	Ser	Gln	Leu	Leu	Lys	Gly	Asp	Ala	Ser	Leu
		115					120					125			

5381

Lys Met Asp Lys Ser Asp Ala Val Ser His Thr Gly Asn Tyr Thr Cys
 130 135 140
 Glu Val Thr Glu Leu Thr Arg Glu Gly Glu Thr Ile Ile Glu Leu Lys
 145 150 155 160
 Tyr Arg Val Val Ser Trp Phe Ser Pro Asn Glu Asn Ile Leu Ile Val
 165 170 175
 Ile Phe Pro Ile Phe Ala Ile Leu Leu Phe Trp Gly Gln Phe Gly Ile
 180 185 190
 Lys Thr Leu Lys Tyr Arg Ser Gly Gly Met Asp Glu Lys Thr Ile Ala
 195 200 205
 Leu Leu Val Ala Gly Leu Val Ile Thr Val Ile Val Ile Val Gly Ala
 210 215 220
 Ile Leu Phe Val Pro Gly Glu Tyr Ser Leu Lys Asn Ala Thr Gly Leu
 225 230 235 240
 Gly Leu Ile Val Thr Ser Thr Gly Ile Leu Ile Leu Leu His Tyr Tyr
 245 250 255
 Val Phe Ser Thr Ala Ile Gly Leu Thr Ser Phe Val Ile Ala Ile Leu
 260 265 270
 Val Ile Gln Val Ile Ala Tyr Ile Leu Ala Val Val Gly Leu Ser Leu
 275 280 285
 Cys Ile Ala Ala Cys Ile Pro Met His Gly Pro Leu Leu Ile Ser Gly
 290 295 300
 Leu Ser Ile Leu Ala Leu Ala Gln Leu Leu Gly Leu Val Tyr Met Lys
 305 310 315 320
 Phe Val Ala Ser Asn Gln Lys Thr Ile Gln Pro Pro Arg Lys Ala Val
 325 330 335
 Glu Glu Pro Leu Asn Ala Phe Lys Glu Ser Lys Gly Met Met Asn Asp
 340 345 350
 Glu

<210> 6171

<211> 358

<212> PRT

<213> Homo sapiens

5382

<400> 6171

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr
 1 5 10 15
 Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Gly Trp Ala Leu
 20 25 30
 Arg Ile Ser Arg Phe Leu Pro Gly Phe His Ser Phe Ala Pro Cys Thr
 35 40 45
 Val Ala Pro Ser Leu Arg Ala Gln Pro Ala Lys Gln Arg Ala Pro Val
 50 55 60
 Ala Gly Val Met Gln Arg Ala Arg Pro Thr Leu Trp Ala Ala Ala Leu
 65 70 75 80
 Thr Leu Leu Val Leu Leu Arg Gly Pro Pro Val Ala Arg Ala Gly Ala
 85 90 95
 Ser Ser Ala Gly Leu Gly Pro Val Val Arg Cys Glu Pro Cys Asp Ala
 100 105 110
 Arg Ala Leu Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu
 115 120 125
 Val Arg Glu Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu
 130 135 140
 Gly Gln Pro Cys Gly Ile Tyr Thr Glu Arg Cys Gly Ser Gly Leu Arg
 145 150 155 160
 Cys Gln Pro Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp
 165 170 175
 Gly Arg Gly Leu Cys Val Asn Ala Ser Ala Val Ser Arg Leu Arg Ala
 180 185 190
 Tyr Leu Leu Pro Ala Pro Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu
 195 200 205
 Glu Asp Arg Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr
 210 215 220
 His Arg Val Ser Asp Pro Lys Phe His Pro Leu His Ser Lys Ile Ile
 225 230 235 240
 Ile Ile Lys Lys Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp
 245 250 255
 Tyr Glu Ser Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys

5383

260	265	270
Arg Glu Thr Glu Tyr Gly Pro Cys Arg Arg Glu Met Glu Asp Thr Leu		
275	280	285
Asn His Leu Lys Phe Leu Asn Val Leu Ser Pro Arg Gly Val His Ile		
290	295	300
Pro Asn Cys Asp Lys Lys Gly Phe Tyr Lys Lys Lys Gln Cys Arg Pro		
305	310	315
Ser Lys Gly Arg Lys Arg Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly		
325	330	335
Gln Pro Leu Pro Gly Tyr Thr Thr Lys Gly Lys Glu Asp Val His Cys		
340	345	350
Tyr Ser Met Gln Ser Lys		
355		

<210> 6172

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

5384

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6172

Gln Arg Ile Pro Asp Pro Ala Arg Glu Gly Ser Arg Thr Met Glu Ser
 1 5 10 15

Ser Ser Ser Ser Asn Ser Tyr Phe Ser Val Gly Pro Thr Ser Pro Ser
 20 25 30

Ala Val Val Leu Leu Tyr Ser Lys Glu Leu Lys Lys Trp Asp Glu Phe
 35 40 45

Glu Asp Ile Leu Glu Glu Arg Arg His Val Ser Asp Leu Lys Phe Ala
 50 55 60

Met Lys Cys Tyr Thr Pro Leu Val Tyr Lys Gly Ile Thr Pro Cys Lys
 65 70 75 80

Pro Ile Asp Ile Lys Cys Ser Val Leu Asn Ser Glu Xaa Ile His Tyr
 85 90 95

Val Ile Lys Gln Xaa Ser Lys Xaa Ser Leu Gln Ser Val Gly Val Pro
 100 105 110

Pro Arg Lys Leu Val Gly Phe Arg Trp Asn Gly Ser Gln Xaa Gly Phe
 115 120 125

Gly Pro Phe Gly Leu Xaa Leu Xaa Xaa Ala Ser Phe
 130 135 140

<210> 6173

<211> 229

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

5385

<220>

<221> SITE

<222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6173

Val	Pro	Gly	Ala	Glu	Gly	Gly	Gly	Thr	Gly	Leu	Asp	Val	Gly	Arg	Pro
1				5					10					15	

Ala	Met	Lys	Pro	Pro	Ser	Ser	Ile	Gln	Thr	Ser	Glu	Phe	Asp	Ser	Ser
			20					25					30		

Asp	Glu	Glu	Pro	Ile	Glu	Asp	Glu	Gln	Thr	Pro	Ile	His	Ile	Ser	Trp
		35					40					45			

Leu	Ser	Leu	Ser	Arg	Val	Asn	Cys	Ser	Gln	Phe	Leu	Gly	Leu	Cys	Ala
	50					55					60				

Leu	Pro	Gly	Cys	Lys	Phe	Lys	Asp	Val	Arg	Arg	Asn	Val	Gln	Lys	Asp
65					70				75					80	

Thr	Glu	Glu	Leu	Lys	Ser	Cys	Gly	Ile	Gln	Asp	Ile	Phe	Val	Phe	Cys
				85					90					95	

Thr	Arg	Gly	Glu	Leu	Ser	Lys	Tyr	Arg	Val	Pro	Asn	Leu	Leu	Asp	Leu
			100					105					110		

Tyr	Gln	Gln	Cys	Gly	Ile	Ile	Thr	His	His	His	Pro	Ile	Ala	Asp	Gly
		115					120					125			

Gly	Thr	Pro	Asp	Ile	Ala	Ser	Cys	Cys	Glu	Ile	Met	Glu	Glu	Leu	Thr
	130					135					140				

Thr	Cys	Leu	Lys	Asn	Tyr	Arg	Lys	Thr	Leu	Ile	His	Cys	Tyr	Gly	Gly
145				150					155					160	

Leu	Gly	Arg	Ser	Xaa	Leu	Val	Ala	Ala	Xaa	Leu	Leu	Leu	Tyr	Leu	Ser
			165						170					175	

Asp	Thr	Ile	Ser	Pro	Glu	Gln	Ala	Ile	Asp	Ser	Leu	Arg	Asp	Leu	Arg
		180						185					190		

Gly	Ser	Gly	Ala	Ile	Gln	Thr	Ile	Lys	Gln	Tyr	Asn	Tyr	Leu	His	Glu
		195					200					205			

Phe	Arg	Asp	Lys	Leu	Ala	Ala	His	Leu	Ser	Ser	Arg	Asp	Ser	Gln	Ser
	210					215					220				

Arg	Ser	Val	Ser	Arg
225				

5386

<210> 6174

<211> 183

<212> PRT

<213> Homo sapiens

<400> 6174

Ser Arg Leu Ser Leu Ser Arg Val Asn Cys Ser Gln Phe Leu Gly Leu
 1 5 10 15

Cys Ala Leu Pro Gly Cys Lys Phe Lys Asp Val Arg Arg Asn Val Gln
 20 25 30

Lys Asp Thr Glu Glu Leu Lys Ser Cys Gly Ile Gln Asp Ile Phe Val
 35 40 45

Phe Cys Thr Arg Gly Glu Leu Ser Lys Tyr Arg Val Pro Asn Leu Leu
 50 55 60

Asp Leu Tyr Gln Gln Cys Gly Ile Ile Thr His His His Pro Ile Ala
 65 70 75 80

Asp Gly Gly Thr Pro Asp Ile Ala Ser Cys Cys Glu Ile Met Glu Glu
 85 90 95

Leu Thr Thr Cys Leu Lys Asn Tyr Arg Lys Thr Leu Ile His Cys Tyr
 100 105 110

Gly Gly Leu Gly Arg Ser Cys Leu Val Ala Ala Cys Leu Leu Leu Tyr
 115 120 125

Leu Ser Asp Thr Ile Ser Pro Glu Gln Ala Ile Asp Ser Leu Arg Asp
 130 135 140

Leu Arg Gly Ser Gly Ala Ile Gln Thr Ile Lys Gln Tyr Asn Tyr Leu
 145 150 155 160

His Glu Phe Arg Asp Lys Leu Ala Ala His Leu Ser Ser Arg Asp Ser
 165 170 175

Gln Ser Arg Ser Val Ser Arg
 180

<210> 6175

<211> 594

<212> PRT

<213> Homo sapiens

5387

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6175

Arg	Arg	Arg	Ala	Ala	Val	Glu	Glu	Lys	Arg	Arg	Gln	Arg	Leu	Glu	Glu
1				5					10					15	

Asp	Lys	Glu	Arg	His	Glu	Ala	Val	Val	Arg	Arg	Thr	Met	Glu	Arg	Ser
			20					25					30		

Gln	Lys	Pro	Lys	Gln	Lys	His	Asn	Arg	Trp	Ser	Trp	Gly	Gly	Ser	Leu
		35					40					45			

His	Gly	Ser	Pro	Ser	Ile	His	Ser	Ala	Ala	Arg	Arg	Leu	Gln	Leu	Ser
	50					55					60				

Pro	Trp	Glu	Ser	Ser	Val	Val	Asn	Arg	Leu	Leu	Thr	Pro	Thr	His	Ser
65					70					75					80

Phe	Leu	Ala	Arg	Ser	Lys	Ser	Thr	Ala	Ala	Leu	Ser	Gly	Glu	Ala	Ala
				85					90					95	

Ser	Cys	Ser	Pro	Ile	Ile	Met	Pro	Tyr	Lys	Ala	Ala	His	Ser	Arg	Asn
			100					105					110		

Ser	Met	Asp	Arg	Pro	Lys	Leu	Phe	Val	Thr	Pro	Pro	Glu	Gly	Ser	Ser
	115						120					125			

Arg	Arg	Arg	Ile	Ile	His	Gly	Thr	Ala	Ser	Tyr	Lys	Lys	Glu	Arg	Glu
	130					135					140				

Arg	Glu	Asn	Xaa	Leu	Phe	Leu	Thr	Ser	Gly	Thr	Arg	Arg	Ala	Val	Ser
145					150					155				160	

Pro	Ser	Asn	Pro	Lys	Ala	Arg	Gln	Pro	Ala	Arg	Ser	Arg	Leu	Trp	Leu
				165					170					175	

Pro	Ser	Lys	Ser	Leu	Pro	His	Leu	Pro	Gly	Thr	Pro	Arg	Pro	Thr	Ser
			180						185				190		

Ser	Leu	Pro	Pro	Gly	Ser	Val	Lys	Ala	Ala	Pro	Ala	Gln	Val	Arg	Pro
		195					200					205			

Pro	Ser	Pro	Gly	Asn	Ile	Arg	Pro	Val	Lys	Arg	Glu	Val	Lys	Val	Glu
	210					215					220				

Pro	Glu	Lys	Lys	Asp	Pro	Glu	Lys	Glu	Pro	Gln	Lys	Val	Ala	Asn	Glu
225					230					235					240

5388

Pro Ser Leu Lys Gly Arg Ala Pro Leu Val Lys Val Glu Glu Ala Thr
 245 250 255
 Val Glu Glu Arg Thr Pro Ala Glu Pro Glu Val Gly Pro Ala Ala Pro
 260 265 270
 Ala Met Ala Pro Ala Pro Ala Ser Ala Pro Ala Pro Ala Ser Ala Pro
 275 280 285
 Ala Pro Ala Pro Val Pro Thr Pro Ala Met Val Ser Ala Pro Ser Ser
 290 295 300
 Thr Val Asn Ala Ser Ala Ser Val Lys Thr Ser Ala Gly Thr Thr Asp
 305 310 315 320
 Pro Glu Glu Ala Thr Arg Leu Leu Ala Glu Lys Arg Arg Leu Ala Arg
 325 330 335
 Glu Gln Arg Glu Lys Glu Glu Arg Glu Arg Arg Glu Gln Glu Glu Leu
 340 345 350
 Glu Arg Gln Lys Arg Glu Glu Leu Ala Gln Arg Val Ala Glu Glu Arg
 355 360 365
 Thr Thr Arg Arg Glu Glu Glu Ser Arg Arg Leu Glu Ala Glu Gln Ala
 370 375 380
 Arg Glu Lys Glu Glu Gln Leu Gln Arg Gln Ala Glu Glu Arg Ala Leu
 385 390 395 400
 Arg Glu Trp Glu Glu Ala Glu Arg Ala Gln Arg Gln Lys Glu Glu Glu
 405 410 415
 Ala Arg Val Arg Glu Glu Ala Glu Arg Val Arg Gln Glu Arg Glu Lys
 420 425 430
 His Phe Gln Arg Glu Glu Gln Glu Arg Leu Glu Arg Lys Lys Arg Leu
 435 440 445
 Glu Glu Ile Met Lys Arg Thr Arg Arg Thr Glu Ala Thr Asp Lys Lys
 450 455 460
 Thr Ser Asp Gln Arg Asn Gly Asp Ile Ala Lys Gly Ala Leu Thr Gly
 465 470 475 480
 Gly Thr Glu Val Ser Ala Leu Pro Cys Thr Thr Asn Ala Pro Gly Asn
 485 490 495
 Gly Lys Pro Val Gly Ser Pro His Val Val Thr Ser His Gln Ser Lys
 500 505 510

5389

Val Thr Val Glu Ser Thr Pro Asp Leu Glu Lys Gln Pro Asn Glu Asn
 515 520 525

Gly Val Ser Val Gln Asn Glu Asn Phe Glu Glu Ile Ile Asn Leu Pro
 530 535 540

Ile Gly Ser Lys Pro Ser Arg Leu Asp Val Thr Asn Ser Glu Ser Pro
 545 550 555 560

Glu Ile Pro Leu Asn Pro Ile Leu Ala Phe Asp Asp Glu Gly Thr Leu
 565 570 575

Gly Pro Leu Pro Gln Val Asp Gly Val Gln Thr Gln Gln Thr Ala Glu
 580 585 590

Val Ile

<210> 6176

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (270)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (280)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6176

Asn Thr Cys Glu Ser Asn His Gly Leu Gly Thr Thr Pro Pro Glu Asn
 1 5 10 15

Gly Leu Ser Glu His Pro Cys Glu Thr Glu Gln Ile Asn Ala Lys Arg
 20 25 30

Lys Asp Thr Thr Ser Asp Lys Asp Asp Ser Leu Gly Ser Gln Gln Thr
 35 40 45

Asn Glu Gln Cys Ala Gln Lys Ala Glu Pro Thr Glu Ser Cys Glu Gln
 50 55 60

Ile Ala Val Gln Val Asn Asn Gly Asp Ala Gly Arg Glu Met Pro Cys
 65 70 75 80

5390

Pro Leu Pro Cys Asp Glu Glu Ser Pro Glu Ala Glu Leu His Asn His
 85 90 95

Gly Ile Gln Ile Asn Ser Cys Ser Val Arg Leu Val Asp Ile Lys Lys
 100 105 110

Glu Lys Pro Phe Ser Asn Ser Lys Val Glu Cys Gln Ala Gln Ala Arg
 115 120 125

Thr His His Asn Gln Ala Ser Asp Ile Ile Val Ile Ser Ser Glu Asp
 130 135 140

Ser Glu Gly Ser Thr Asp Val Asp Glu Pro Leu Glu Val Phe Ile Ser
 145 150 155 160

Ala Pro Arg Ser Glu Pro Val Ile Asn Asn Asp Asn Pro Leu Glu Ser
 165 170 175

Asn Asp Glu Lys Glu Gly Gln Glu Ala Thr Cys Ser Arg Pro Gln Ile
 180 185 190

Val Pro Glu Pro Met Asp Phe Arg Lys Leu Ser Thr Phe Arg Glu Ser
 195 200 205

Phe Lys Lys Arg Val Ile Gly Gln Asp His Asp Phe Ser Glu Ser Ser
 210 215 220

Glu Glu Glu Ala Pro Ala Glu Ala Ser Ser Gly Ala Leu Arg Ser Lys
 225 230 235 240

His Gly Glu Lys Ala Pro Met Thr Ser Arg Ser Thr Ser Thr Trp Arg
 245 250 255

Ile Pro Ser Arg Lys Arg Arg Phe Ser Ser Ser Asp Phe Xaa Asp Leu
 260 265 270

Ser Asn Lys Cys Leu Tyr Leu Xaa Gln Lys Leu His Ser Leu Phe Ile
 275 280 285

Leu Lys Asp Ile Thr
 290

<210> 6177

<211> 720

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5391

<222> (693)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6177

Asp	Thr	Gly	Pro	Thr	Gly	Ile	Lys	Tyr	Asp	Leu	Asp	Arg	His	Gln	Tyr
1				5					10					15	
Asn	Tyr	Val	Asp	Ala	Val	Cys	Tyr	Glu	Asn	Arg	Leu	His	Trp	Phe	Ala
			20					25					30		
Lys	Tyr	Phe	Pro	Tyr	Leu	Val	Leu	Leu	His	Thr	Leu	Ile	Phe	Leu	Ala
		35					40					45			
Cys	Ser	Asn	Phe	Trp	Phe	Lys	Phe	Pro	Arg	Thr	Ser	Ser	Lys	Leu	Glu
	50					55					60				
His	Phe	Val	Ser	Ile	Leu	Leu	Lys	Cys	Phe	Asp	Ser	Pro	Trp	Thr	Thr
65					70					75					80
Arg	Ala	Leu	Ser	Glu	Thr	Val	Val	Glu	Glu	Ser	Asp	Pro	Lys	Pro	Ala
				85					90					95	
Phe	Ser	Lys	Met	Asn	Gly	Ser	Met	Asp	Lys	Lys	Ser	Ser	Thr	Val	Ser
			100					105					110		
Glu	Asp	Val	Glu	Ala	Thr	Val	Pro	Met	Leu	Gln	Arg	Thr	Lys	Ser	Arg
		115					120					125			
Ile	Glu	Gln	Gly	Ile	Val	Asp	Arg	Ser	Glu	Thr	Gly	Val	Leu	Asp	Lys
	130					135					140				
Lys	Glu	Gly	Glu	Gln	Ala	Lys	Ala	Leu	Phe	Glu	Lys	Val	Lys	Lys	Phe
145					150					155					160
Arg	Thr	His	Val	Glu	Glu	Gly	Asp	Ile	Val	Tyr	Arg	Leu	Tyr	Met	Arg
				165					170					175	
Gln	Thr	Ile	Ile	Lys	Val	Ile	Lys	Phe	Ile	Leu	Ile	Ile	Cys	Tyr	Thr
			180					185					190		
Val	Tyr	Tyr	Val	His	Asn	Ile	Lys	Phe	Asp	Val	Asp	Cys	Thr	Val	Asp
		195					200					205			
Ile	Glu	Ser	Leu	Thr	Gly	Tyr	Arg	Thr	Tyr	Arg	Cys	Ala	His	Pro	Leu
	210					215					220				
Ala	Thr	Leu	Phe	Lys	Ile	Leu	Ala	Ser	Phe	Tyr	Ile	Ser	Leu	Val	Ile
225					230					235					240
Phe	Tyr	Gly	Leu	Ile	Cys	Met	Tyr	Thr	Leu	Trp	Trp	Met	Leu	Arg	Arg
			245						250					255	

5392

Ser Leu Lys Lys Tyr Ser Phe Glu Ser Ile Arg Glu Glu Ser Ser Tyr
 260 265 270
 Ser Asp Ile Pro Asp Val Lys Asn Asp Phe Ala Phe Met Leu His Leu
 275 280 285
 Ile Asp Gln Tyr Asp Pro Leu Tyr Ser Lys Arg Phe Ala Val Phe Leu
 290 295 300
 Ser Glu Val Ser Glu Asn Lys Leu Arg Gln Leu Asn Leu Asn Asn Glu
 305 310 315 320
 Trp Thr Leu Asp Lys Leu Arg Gln Arg Leu Thr Lys Asn Ala Gln Asp
 325 330 335
 Lys Leu Glu Leu His Leu Phe Met Leu Ser Gly Ile Pro Asp Thr Val
 340 345 350
 Phe Asp Leu Val Glu Leu Glu Val Leu Lys Leu Glu Leu Ile Pro Asp
 355 360 365
 Val Thr Ile Pro Pro Ser Ile Ala Gln Leu Thr Gly Leu Lys Glu Leu
 370 375 380
 Trp Leu Tyr His Thr Ala Ala Lys Ile Glu Ala Pro Ala Leu Ala Phe
 385 390 395 400
 Leu Arg Glu Asn Leu Arg Ala Leu His Ile Lys Phe Thr Asp Ile Lys
 405 410 415
 Glu Ile Pro Leu Trp Ile Tyr Ser Leu Lys Thr Leu Glu Glu Leu His
 420 425 430
 Leu Thr Gly Asn Leu Ser Ala Glu Asn Asn Arg Tyr Ile Val Ile Asp
 435 440 445
 Gly Leu Arg Glu Leu Lys Arg Leu Lys Val Leu Arg Leu Lys Ser Asn
 450 455 460
 Leu Ser Lys Leu Pro Gln Val Val Thr Asp Val Gly Val His Leu Gln
 465 470 475 480
 Lys Leu Ser Ile Asn Asn Glu Gly Thr Lys Leu Ile Val Leu Asn Ser
 485 490 495
 Leu Lys Lys Met Ala Asn Leu Thr Glu Leu Glu Leu Ile Arg Cys Asp
 500 505 510
 Leu Glu Arg Ile Pro His Ser Ile Phe Ser Leu His Asn Leu Gln Glu
 515 520 525

5393

Ile Asp Leu Lys Asp Asn Asn Leu Lys Thr Ile Glu Glu Ile Ile Ser
 530 535 540
 Phe Gln His Leu His Arg Leu Thr Cys Leu Lys Leu Trp Tyr Asn His
 545 550 555 560
 Ile Ala Tyr Ile Pro Ile Gln Ile Gly Asn Leu Thr Asn Leu Glu Arg
 565 570 575
 Leu Tyr Leu Asn Arg Asn Lys Ile Glu Lys Ile Pro Thr Gln Leu Phe
 580 585 590
 Tyr Cys Arg Lys Leu Arg Tyr Leu Asp Leu Ser His Asn Asn Leu Thr
 595 600 605
 Phe Leu Pro Ala Asp Ile Gly Leu Leu Gln Asn Leu Gln Asn Leu Ala
 610 615 620
 Ile Thr Ala Asn Arg Ile Glu Thr Leu Pro Pro Glu Leu Phe Gln Cys
 625 630 635 640
 Arg Lys Leu Arg Ala Leu His Leu Gly Asn Asn Val Leu Gln Ser Leu
 645 650 655
 Pro Ser Arg Val Gly Glu Leu Thr Asn Leu Thr Gln Ile Glu Leu Arg
 660 665 670
 Gly Asn Arg Leu Glu Cys Leu Pro Val Glu Leu Gly Glu Cys Pro Leu
 675 680 685
 Leu Lys Arg Ser Xaa Leu Val Val Glu Glu Asp Leu Phe Asn Thr Leu
 690 695 700
 Pro Pro Glu Val Lys Glu Arg Leu Trp Arg Ala Asp Lys Glu Gln Ala
 705 710 715 720

<210> 6178

<211> 27

<212> PRT

<213> Homo sapiens

<400> 6178

Val Ser Gly Asp Tyr Gly His Pro Val Tyr Ile Val Gln Asp Gly Pro
 1 5 10 15

5394

Pro Gln Ser Pro Pro Asn Ile Tyr Tyr Lys Val
 20 25

<210> 6179

<211> 154

<212> PRT

<213> Homo sapiens

<400> 6179

Asp Leu Cys Arg Leu Ser Cys Gly Arg Lys Met Pro Lys Val Lys Arg
 1 5 10 15

Ser Arg Lys Ala Pro Pro Asp Gly Trp Glu Leu Ile Glu Pro Thr Leu
 20 25 30

Asp Glu Leu Asp Gln Lys Met Arg Glu Ala Glu Thr Glu Pro His Glu
 35 40 45

Gly Lys Arg Lys Val Glu Ser Leu Trp Pro Ile Phe Arg Ile His His
 50 55 60

Gln Lys Thr Arg Tyr Ile Phe Asp Leu Phe Tyr Lys Arg Lys Ala Ile
 65 70 75 80

Ser Arg Glu Leu Tyr Glu Tyr Cys Ile Lys Glu Gly Tyr Ala Asp Lys
 85 90 95

Asn Leu Ile Ala Lys Trp Lys Lys Gln Gly Tyr Glu Asn Leu Cys Cys
 100 105 110

Leu Arg Cys Ile Gln Thr Arg Asp Thr Asn Phe Gly Thr Asn Cys Ile
 115 120 125

Cys Arg Val Pro Lys Ser Lys Leu Glu Val Gly Arg Ile Ile Glu Cys
 130 135 140

Thr His Cys Gly Cys Arg Gly Cys Ser Gly
 145 150

<210> 6180

<211> 442

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

5395

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6180

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Leu Glu Gln Glu Leu Gly Asp Gly Trp Gly His Ser Asp Leu His Lys
 1             5             10             15

Ala Leu Leu Cys Arg Xaa Pro Pro Leu Pro Glu Pro Asp Ala Met Ser
      20             25             30

Ser Lys Gly Ser Val Val Leu Ala Tyr Ser Gly Gly Leu Asp Thr Ser
      35             40             45

Cys Ile Leu Val Trp Leu Lys Glu Gln Gly Tyr Asp Val Ile Ala Tyr
      50             55             60

Leu Ala Asn Ile Gly Gln Lys Glu Asp Phe Glu Glu Ala Arg Lys Lys
      65             70             75             80

Ala Leu Lys Leu Gly Ala Lys Lys Val Phe Ile Glu Asp Val Ser Arg
      85             90             95

Glu Phe Val Glu Glu Phe Ile Trp Pro Ala Ile Gln Ser Ser Ala Leu
      100            105            110

Tyr Glu Asp Arg Tyr Leu Leu Gly Thr Ser Leu Ala Arg Pro Cys Ile
      115            120            125

Ala Arg Lys Gln Val Glu Ile Ala Gln Arg Glu Gly Ala Lys Tyr Val
      130            135            140

Ser His Gly Ala Thr Gly Lys Gly Asn Asp Gln Val Arg Phe Glu Leu
      145            150            155            160

Ser Cys Tyr Ser Leu Ala Pro Gln Ile Lys Val Ile Ala Pro Trp Arg
      165            170            175

Met Pro Glu Phe Tyr Asn Arg Phe Lys Gly Arg Asn Asp Leu Met Glu
      180            185            190

Tyr Ala Lys Gln His Gly Ile Pro Ile Pro Val Thr Pro Lys Asn Pro
      195            200            205

Trp Ser Met Asp Glu Asn Leu Met His Ile Ser Tyr Glu Ala Gly Ile
      210            215            220

Leu Glu Asn Pro Lys Asn Gln Ala Pro Pro Gly Leu Tyr Thr Lys Thr
      225            230            235            240

Gln Asp Pro Ala Lys Ala Pro Asn Thr Pro Asp Ile Leu Glu Ile Glu
      245            250            255

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5396

Phe Lys Lys Gly Val Pro Val Lys Val Thr Asn Val Lys Asp Gly Thr
 260 265 270
 Thr His Gln Thr Ser Leu Glu Leu Phe Met Tyr Leu Asn Glu Val Ala
 275 280 285
 Gly Lys His Gly Val Gly Arg Ile Asp Ile Val Glu Asn Arg Phe Ile
 290 295 300
 Gly Met Lys Ser Arg Gly Ile Tyr Glu Thr Pro Ala Gly Thr Ile Leu
 305 310 315 320
 Tyr His Ala His Leu Asp Ile Glu Ala Phe Thr Met Asp Arg Glu Val
 325 330 335
 Arg Lys Ile Lys Gln Gly Leu Gly Leu Lys Phe Ala Glu Leu Val Tyr
 340 345 350
 Thr Gly Phe Trp His Ser Pro Glu Cys Glu Phe Val Arg His Cys Ile
 355 360 365
 Ala Lys Ser Gln Glu Arg Val Glu Gly Lys Val Gln Val Ser Val Leu
 370 375 380
 Lys Gly Gln Val Tyr Ile Leu Gly Arg Glu Ser Pro Leu Ser Leu Tyr
 385 390 395 400
 Asn Glu Glu Leu Val Ser Met Asn Val Gln Gly Asp Tyr Glu Pro Thr
 405 410 415
 Asp Ala Thr Gly Phe Ile Asn Ile Asn Ser Leu Arg Leu Lys Glu Tyr
 420 425 430
 His Arg Leu Gln Ser Lys Val Thr Ala Lys
 435 440

<210> 6181

<211> 155

<212> PRT

<213> Homo sapiens

<400> 6181

Asp Ser Tyr Phe Asp Arg Ile Cys Ser His Ser Ser Cys Lys Leu Gln
 1 5 10 15

Met Tyr Lys Leu His Leu Tyr Phe Tyr Arg Val Val Met Phe Tyr Met
 20 25 30

Cys Met Val Gln Glu Lys Ile Gly Ser Asn Gln Ser Ala Val Asp Val

5397

35	40	45
Pro Lys Cys Lys His Arg His Thr His Ala His Thr His Lys His Thr		
50	55	60
His Ser Ala Leu Arg Lys Gly Gln Val Ile Ser His Pro Asn Phe Thr		
65	70	75
Ser Thr Asp Pro Leu Ala Pro Thr Pro Ala Ser Thr Val Thr Ser Lys		
85	90	95
Ala Arg Ala Thr Cys Ala His Gln Thr Cys Ile Lys Gln Leu Ala Gly		
100	105	110
Asp Gly Cys Gly Ala Gly Gly Leu Ser Asp Gly Ser Leu Leu Leu Pro		
115	120	125
Leu Leu Arg Val Lys Leu Leu Ser Phe Leu Arg Val Tyr Leu Cys Gln		
130	135	140
Val Cys Ala Phe Asn Cys Phe Tyr Phe Val Phe		
145	150	155

<210> 6182

<211> 401

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (309)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (311)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (377)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6182

Asn Ile Lys Lys Arg Asp Glu Glu Leu Thr Glu Lys Met Lys Lys Ala
1 5 10 15

Glu Glu Glu Tyr Lys Leu Glu Lys Glu Glu Glu Ile Ser Asn Leu Lys
20 25 30

5398

Ala	Ala	Phe	Glu	Lys	Asn	Ile	Asn	Thr	Glu	Arg	Thr	Leu	Lys	Thr	Gln	
		35					40					45				
Ala	Val	Asn	Lys	Leu	Ala	Glu	Ile	Met	Asn	Arg	Lys	Asp	Phe	Lys	Ile	
	50					55					60					
Asp	Arg	Lys	Lys	Ala	Asn	Thr	Gln	Asp	Leu	Arg	Lys	Lys	Glu	Lys	Glu	
65					70					75					80	
Asn	Arg	Lys	Leu	Gln	Leu	Glu	Leu	Asn	Gln	Glu	Arg	Glu	Lys	Phe	Asn	
				85					90					95		
Gln	Met	Val	Val	Lys	His	Gln	Lys	Glu	Leu	Asn	Asp	Met	Gln	Ala	Gln	
			100					105					110			
Leu	Val	Glu	Glu	Cys	Ala	His	Arg	Asn	Glu	Leu	Gln	Met	Gln	Leu	Ala	
		115					120					125				
Ser	Lys	Glu	Ser	Asp	Ile	Glu	Gln	Leu	Arg	Ala	Lys	Leu	Leu	Asp	Leu	
	130					135					140					
Ser	Asp	Ser	Thr	Ser	Val	Ala	Ser	Phe	Pro	Ser	Ala	Asp	Glu	Thr	Asp	
145					150					155					160	
Gly	Asn	Leu	Pro	Glu	Ser	Arg	Ile	Glu	Gly	Trp	Leu	Ser	Val	Pro	Asn	
				165					170						175	
Arg	Gly	Asn	Ile	Lys	Arg	Tyr	Gly	Trp	Lys	Lys	Gln	Tyr	Val	Val	Val	
			180					185					190			
Ser	Ser	Lys	Lys	Ile	Leu	Phe	Tyr	Asn	Asp	Glu	Gln	Asp	Lys	Glu	Gln	
		195					200					205				
Ser	Asn	Pro	Ser	Met	Val	Leu	Asp	Ile	Asp	Lys	Leu	Phe	His	Val	Arg	
	210					215					220					
Pro	Val	Thr	Gln	Gly	Asp	Val	Tyr	Arg	Ala	Glu	Thr	Glu	Glu	Ile	Pro	
225					230					235					240	
Lys	Ile	Phe	Gln	Ile	Leu	Tyr	Ala	Asn	Glu	Gly	Glu	Cys	Arg	Lys	Asp	
				245					250					255		
Val	Glu	Met	Glu	Pro	Val	Gln	Gln	Ala	Glu	Lys	Thr	Asn	Phe	Gln	Asn	
			260					265					270			
His	Lys	Gly	His	Glu	Phe	Ile	Pro	Thr	Leu	Tyr	His	Phe	Pro	Ala	Asn	
		275					280					285				
Cys	Asp	Ala	Cys	Ala	Lys	Pro	Leu	Trp	His	Val	Phe	Lys	Pro	Pro	Pro	
	290					295					300					

5399

Ala Leu Glu Cys Xaa Arg Xaa His Val Lys Cys His Arg Asp His Leu
 305 310 315 320

Asp Lys Lys Glu Asp Leu Ile Cys Pro Cys Lys Val Ser Tyr Asp Val
 325 330 335

Thr Ser Ala Arg Asp Met Leu Leu Leu Ala Cys Ser Gln Asp Glu Gln
 340 345 350

Lys Lys Trp Val Thr His Leu Val Lys Lys Ile Pro Lys Asn Pro Pro
 355 360 365

Ser Gly Phe Val Arg Ala Ser Pro Xaa Thr Leu Ser Thr Arg Ser Thr
 370 375 380

Ala Asn Gln Ser Phe Arg Lys Val Val Lys Asn Thr Ser Gly Lys Thr
 385 390 395 400

Ser

<210> 6183

<211> 337

<212> PRT

<213> Homo sapiens

<400> 6183

Gln Ser Arg Ser Asp Ser Arg Val Asp Pro Arg Val Arg Gly Pro Pro
 1 5 10 15

Gly Pro Val Gly Pro Ser Gly Lys Glu Gly Asn Pro Gly Pro Leu Gly
 20 25 30

Pro Ile Gly Pro Pro Gly Val Arg Gly Ser Val Gly Glu Ala Gly Pro
 35 40 45

Glu Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
 50 55 60

Gly His Leu Thr Ala Ala Leu Gly Asp Ile Met Gly His Tyr Asp Glu
 65 70 75 80

Ser Met Pro Asp Pro Leu Pro Glu Phe Thr Glu Asp Gln Ala Ala Pro
 85 90 95

Asp Asp Lys Asn Lys Thr Asp Pro Gly Val His Ala Thr Leu Lys Ser
 100 105 110

5400

Leu Ser Ser Gln Ile Glu Thr Met Arg Ser Pro Asp Gly Ser Lys Lys
 115 120 125
 His Pro Ala Arg Thr Cys Asp Asp Leu Lys Leu Cys His Ser Ala Lys
 130 135 140
 Gln Ser Gly Glu Tyr Trp Ile Asp Pro Asn Gln Gly Ser Val Glu Asp
 145 150 155 160
 Ala Ile Lys Val Tyr Cys Asn Met Glu Thr Gly Glu Thr Cys Ile Ser
 165 170 175
 Ala Asn Pro Ser Ser Val Pro Arg Lys Thr Trp Trp Ala Ser Lys Ser
 180 185 190
 Pro Asp Asn Lys Pro Val Trp Tyr Gly Leu Asp Met Asn Arg Gly Ser
 195 200 205
 Gln Phe Ala Tyr Gly Asp His Gln Ser Pro Asn Thr Ala Ile Thr Gln
 210 215 220
 Met Thr Phe Leu Arg Leu Leu Ser Lys Glu Ala Ser Gln Asn Ile Thr
 225 230 235 240
 Tyr Ile Cys Lys Asn Ser Val Gly Tyr Met Asp Asp Gln Ala Lys Asn
 245 250 255
 Leu Lys Lys Ala Val Val Leu Lys Gly Ala Asn Asp Leu Asp Ile Lys
 260 265 270
 Ala Glu Gly Asn Ile Arg Phe Arg Tyr Ile Val Leu Gln Asp Thr Cys
 275 280 285
 Ser Lys Arg Asn Gly Asn Val Gly Lys Thr Val Phe Glu Tyr Arg Thr
 290 295 300
 Gln Asn Val Ala Arg Leu Pro Ile Ile Asp Leu Ala Pro Val Asp Val
 305 310 315 320
 Gly Gly Thr Asp Gln Glu Phe Gly Val Glu Ile Gly Pro Val Cys Phe
 325 330 335

Val

<210> 6184

<211> 104

<212> PRT

<213> Homo sapiens

5401

<400> 6184

Leu His Cys Phe Tyr Ser Gly Leu Gly Phe Arg Lys Thr Gly Thr Val
 1 5 10 15

Leu Ser Val His Arg Asn Thr Cys Gln Cys Gln Gly Phe Gln Ser Gly
 20 25 30

Val Tyr Pro Asn Trp Ser Gly Arg Glu Gly Gln Thr His Ser Gln Arg
 35 40 45

Pro Pro Cys Pro Arg Ser Asp Ser Ser Pro Leu Ala Ala Pro Thr Gly
 50 55 60

Ala Leu Gly Trp Ser Gly Ser Trp Gly Ser Val Pro Leu Ile Ala Gly
 65 70 75 80

Leu Cys Ser Pro Gly Phe Gly Ile Tyr Val Gly Thr Thr Pro Gly Leu
 85 90 95

Leu Ser Lys Gly Leu Trp Leu Leu
 100

<210> 6185

<211> 74

<212> PRT

<213> Homo sapiens

<400> 6185

Gly Leu Thr Trp Ala Phe Arg Tyr Arg Pro Ala Gly Ile Ile Val Met
 1 5 10 15

Ala Leu Leu Gly Met Phe Asn Val His Arg His Gly Ala Ile Asn Ser
 20 25 30

Ala Ala Ile Leu Leu Tyr Ala Leu Thr Cys Cys Ile Ser Gly Tyr Val
 35 40 45

Ser Ser His Phe Tyr Arg Gln Ile Gly Gly Glu Arg Trp Val Trp Glu
 50 55 60

His His Ser His His Gln Ser Leu Leu Trp
 65 70

<210> 6186

<211> 134

<212> PRT

5402

<213> Homo sapiens

<400> 6186

```

Thr Leu Leu Glu Ala Leu Thr Val Ala Val Val Val Thr Phe Tyr Asp
 1             5             10             15

Val Tyr Ile Ile Leu Gln Ala Phe Ile Leu Thr Thr Thr Val Phe Phe
          20             25             30

Gly Leu Thr Val Tyr Thr Leu Gln Ser Lys Lys Asp Phe Ser Lys Phe
          35             40             45

Gly Ala Gly Leu Phe Ala Leu Leu Trp Ile Leu Cys Leu Ser Gly Phe
          50             55             60

Leu Lys Phe Phe Phe Tyr Ser Glu Ile Met Glu Leu Val Leu Ala Ala
 65             70             75             80

Ala Gly Ala Leu Leu Phe Cys Gly Phe Ile Ile Tyr Asp Thr His Ser
          85             90             95

Leu Met His Lys Leu Ser Pro Glu Glu Tyr Val Leu Ala Ala Ile Ser
          100            105            110

Leu Tyr Leu Asp Ile Ile Asn Leu Phe Leu His Leu Leu Arg Phe Leu
          115            120            125

Glu Ala Val Asn Lys Lys
          130

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<210> 6187

<211> 220

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6187

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Asp Tyr Ala Xaa Thr Pro Gln Gly Leu Cys Tyr Asp Val Ala Cys Thr
 1             5             10             15

Arg Lys Leu Gly Pro Leu Glu Gly Ser Ser Arg Ala Ala Ala Ala Ala
          20             25             30

Phe Gly Glu Ser Ala Gly Gln Met Ser Asn Glu Arg Gly Phe Glu Asn
          35             40             45

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5403

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Val Glu Leu Gly Val Ile Gly Lys Lys Lys Lys Val Pro Arg Arg Val
   50                               55                               60

Ile His Phe Val Ser Gly Glu Thr Met Glu Glu Tyr Ser Thr Asp Glu
   65                               70                               75                               80

Asp Glu Val Asp Gly Leu Glu Lys Lys Asp Val Leu Pro Thr Val Asp
                               85                               90                               95

Pro Thr Lys Leu Thr Trp Gly Pro Tyr Leu Trp Phe Tyr Met Leu Arg
                               100                               105                               110

Ala Ala Thr Ser Thr Leu Ser Val Cys Asp Phe Leu Gly Glu Lys Ile
   115                               120                               125

Ala Ser Val Leu Gly Ile Ser Thr Pro Lys Tyr Gln Tyr Ala Ile Asp
   130                               135                               140

Glu Tyr Tyr Arg Met Lys Lys Glu Glu Glu Glu Glu Glu Glu Glu Asn
  145                               150                               155                               160

Arg Met Ser Glu Glu Ala Glu Lys Gln Tyr Gln Gln Asn Lys Leu Gln
                               165                               170                               175

Thr Asp Ser Ile Val Gln Thr Asp Gln Pro Glu Thr Val Ile Ser Ser
   180                               185                               190

Ser Phe Val Asn Val Asn Phe Glu Met Glu Gly Asp Ser Glu Val Ile
   195                               200                               205

Met Glu Ser Lys Gln Asn Pro Val Ser Val Pro Pro
   210                               215                               220

```

<210> 6188

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

5404

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6188

Glu	Arg	Cys	Gly	Xaa	Xaa	Arg	Glu	Ala	Gln	Glu	Gly	Asp	Leu	Gln	Gly
1				5					10					15	

Gln	Glu	Gly	Ala	Glu	Ala	Ser	His	Ala	Gly	Gly	Pro	Ala	Ala	Asp	His
			20					25					30		

Tyr	Ser	Gly	Xaa	Ala	His	Xaa	Gly	Arg	Gly	Arg	Ala	Leu	Asp	Arg	Gly
		35					40					45			

Val	Cys	Val	Arg	Gly	His	Ala	Pro	His	His	His	Arg	Val	Ser	Pro	Ala
	50					55					60				

Xaa	Gly	Arg	Gly	Pro	His	Arg	Gln	Gly	Glu	Glu	Cys	Ser	Gly	Gly	Gly
65					70				75					80	

Arg	Lys	Gln	Lys	Met	Ala	Phe	Ile	Phe	Arg	Asp	Val	His	Val	Ala	Glu
				85					90					95	

Leu	Leu	Ser	Xaa	Xaa	His	Xaa
						100

5405

<210> 6189

<211> 166

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6189

Lys Phe Trp Leu Gln Lys Xaa His Phe Leu Cys Ala Asn Lys Asn Val
 1 5 10 15

Cys Ile Lys Tyr Asp Val Pro Pro Thr Trp Thr His Ser Val Pro His
 20 25 30

Lys Ala Lys Pro Thr Ala Ala Ala Thr Ser Leu Gly Leu Arg Cys Ser
 35 40 45

Arg Cys Phe Phe Gln Asp Arg Asn Gln Asn Val Arg Asn Thr Ala Glu
 50 55 60

Arg Gly His Leu Glu Thr Lys Arg Arg Met Arg Ser Ser Ala Glu Val
 65 70 75 80

Thr Gly Lys Ser Gln Asn Ser Asn Thr Leu Ala Gly Ala Trp Gly Val
 85 90 95

Lys Asn Arg Arg Arg Glu Glu Ala Phe Pro Ser Leu Gln Arg Arg Asn
 100 105 110

Gln Gly Gln Pro Lys Leu Pro Gly Ser Gln Asn Gln Phe Phe Tyr Gln
 115 120 125

Ala Val Pro Leu Leu Ser Phe Gln Leu Leu Ala Thr Gly Arg Cys Cys
 130 135 140

Ser Lys Gly Phe Ala Leu Arg Leu Gln Glu Glu Ala Ala Gly Arg Thr
 145 150 155 160

Ala Gly Val Leu Gly Phe
 165

<210> 6190

<211> 90

5406

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6190

Ser Leu Gln Val Glu Lys Pro Leu Tyr Pro Phe Asn Pro Leu Trp Pro
 1 5 10 15

Ser Phe Pro Xaa Xaa Val Asp Ala Thr Arg Glu Thr Asn Arg Leu Gly
 20 25 30

Arg Leu Ile Asn His Ser Lys Cys Gly Asn Cys Gln Thr Lys Leu His
 35 40 45

Asp Ile Asp Gly Val Pro His Leu Ile Leu Ile Ala Ser Arg Asp Ile
 50 55 60

Ala Ala Gly Glu Glu Leu Leu Tyr Asp Tyr Gly Asp Arg Ser Lys Ala
 65 70 75 80

Ser Ile Glu Ala His Pro Trp Leu Lys His
 85 90

<210> 6191

<211> 162

<212> PRT

<213> Homo sapiens

<400> 6191

Tyr Lys Met Thr Glu Pro Gly Ala Ser Pro Glu Asp Pro Trp Val Lys
 1 5 10 15

Val Glu Tyr Ala Tyr Ser Asp Asn Ser Leu Asp Pro Gly Leu Phe Val
 20 25 30

Glu Ser Thr Arg Lys Gly Ser Val Val Ser Arg Ala Asn Ser Ile Gly
 35 40 45

Ser Thr Ser Ala Ser Ser Val Pro Asn Thr Asp Asp Glu Asp Ser Asp
 50 55 60

5407

Tyr His Gln Glu Ala Tyr Lys Glu Ser Tyr Lys Asp Arg Arg Arg Arg
 65 70 75 80

Ala His Thr Gln Ala Glu Gln Lys Arg Arg Asp Ala Ile Lys Arg Gly
 85 90 95

Tyr Asp Asp Leu Gln Thr Ile Val Pro Thr Cys Gln Gln Gln Asp Phe
 100 105 110

Ser Ile Gly Ser Gln Lys Leu Ser Lys Ala Ile Val Leu Gln Lys Thr
 115 120 125

Ile Asp Tyr Ile Gln Phe Leu His Lys Glu Lys Lys Lys Gln Glu Glu
 130 135 140

Glu Val Ser Arg Tyr Ala Arg Met Tyr Arg Pro Lys Asp His Glu Ser
 145 150 155 160

Glu Leu

<210> 6192

<211> 350

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5408

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6192

Gly	Thr	Ser	Gly	Cys	Trp	Leu	Leu	Leu	Val	Leu	Val	Leu	Val	Leu	Leu
1				5					10					15	

Val	Ser	Pro	Arg	Gly	Cys	Arg	Ala	Arg	Arg	Gly	Leu	Arg	Gly	Leu	Leu
			20					25					30		

Met	Ala	His	Ser	Gln	Arg	Leu	Leu	Phe	Arg	Ile	Gly	Tyr	Ser	Leu	Tyr
		35					40					45			

Thr	Arg	Thr	Trp	Leu	Gly	Tyr	Leu	Phe	Tyr	Arg	Gln	Gln	Leu	Arg	Arg
	50					55					60				

Ala	Arg	Asn	Arg	Tyr	Pro	Lys	Gly	His	Ser	Lys	Thr	Gln	Pro	Arg	Leu
65						70				75					80

Phe	Asn	Gly	Val	Lys	Val	Leu	Pro	Ile	Pro	Val	Leu	Ser	Asp	Asn	Tyr
				85					90					95	

Ser	Tyr	Leu	Ile	Ile	Asp	Thr	Gln	Ala	Gln	Leu	Ala	Val	Ala	Val	Asp
		100						105					110		

Pro	Ser	Asp	Pro	Arg	Ala	Val	Gln	Ala	Ser	Ile	Glu	Lys	Xaa	Gly	Val
		115					120					125			

Thr	Leu	Val	Ala	Ile	Leu	Xaa	Thr	His	Lys	His	Trp	Xaa	His	Xaa	Gly
	130					135					140				

Xaa	Asn	Arg	Xaa	Leu	Xaa	Arg	Gly	His	Arg	Asp	Cys	Arg	Val	Tyr	Gly
145					150					155					160

Ser	Pro	Gln	Asp	Gly	Ile	Pro	Tyr	Leu	Thr	His	Pro	Leu	Cys	His	Gln
			165					170					175		

Asp	Val	Val	Ser	Val	Gly	Arg	Leu	Gln	Ile	Arg	Ala	Leu	Ala	Thr	Pro
		180					185					190			

Gly	His	Thr	Gln	Gly	His	Leu	Val	Tyr	Leu	Leu	Asp	Gly	Glu	Pro	Tyr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5409

195					200					205					
Lys	Gly	Pro	Ser	Cys	Leu	Phe	Ser	Gly	Asp	Leu	Leu	Phe	Leu	Ser	Gly
210						215				220					
Cys	Gly	Arg	Thr	Phe	Glu	Gly	Asn	Ala	Glu	Thr	Met	Leu	Ser	Ser	Leu
225					230					235					240
Asp	Thr	Val	Leu	Gly	Leu	Gly	Asp	Asp	Thr	Leu	Leu	Trp	Pro	Gly	His
				245					250					255	
Glu	Tyr	Ala	Glu	Glu	Asn	Leu	Gly	Phe	Ala	Gly	Val	Val	Glu	Pro	Glu
			260					265					270		
Asn	Leu	Ala	Arg	Glu	Arg	Lys	Met	Gln	Trp	Val	Gln	Arg	Gln	Arg	Leu
		275					280				285				
Glu	Arg	Lys	Gly	Thr	Cys	Pro	Ser	Thr	Leu	Gly	Glu	Glu	Arg	Ser	Tyr
	290					295				300					
Asn	Pro	Phe	Leu	Arg	Thr	His	Cys	Leu	Ala	Leu	Gln	Glu	Ala	Leu	Gly
305					310					315					320
Pro	Gly	Pro	Gly	Pro	Thr	Gly	Asp	Asp	Asp	Tyr	Ser	Arg	Ala	Gln	Leu
				325					330					335	
Leu	Glu	Glu	Leu	Arg	Arg	Leu	Lys	Asp	Met	His	Lys	Ser	Lys		
			340					345					350		

<210> 6193

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6193

Ile	Ser	Tyr	Ser	Arg	Trp	Lys	Thr	Leu	His	Thr	Val	Leu	Pro	Gln	Xaa
1					5				10					15	

Ile Arg Xaa Leu Leu Phe Cys Leu Leu Gln Lys Asp Pro Cys Pro Val

5410

				20					25							30
Ala	Glu	Arg	Gly	Asn	Asp	Lys	Asp	Phe	Thr	Leu	Asn	Asp	Phe	Gly	Phe	
		35					40					45				
Met	Ile	Phe	His	Ser	Pro	Tyr	Cys	Lys	Leu	Val	Gln	Lys	Ser	Leu	Ala	
	50					55					60					
Arg	Met	Leu	Leu	Asn	Asp	Phe	Leu	Asn	Asp	Gln	Asn	Arg	Asp	Lys	Asn	
	65				70					75					80	
Ser	Ile	Tyr	Ser	Gly	Leu	Glu	Ala	Phe	Gly	Asp	Val	Lys	Leu	Glu	Asp	
				85					90					95		
Thr	Tyr	Phe	Asp	Arg	Asp	Val	Glu	Lys	Ala	Phe	Met	Lys	Ala	Ser	Ser	
			100					105					110			
Glu	Leu	Phe	Ser	Gln	Lys	Thr	Lys	Ala	Ser	Leu	Leu	Val	Ser	Asn	Gln	
		115					120					125				
Asn	Gly	Asn	Met	Tyr	Thr	Ser	Ser	Val	Tyr	Gly	Ser	Leu	Ala	Ser	Val	
	130					135					140					
Leu	Ala	Gln	Tyr	Ser	Pro	Gln	Gln	Leu	Ala	Gly	Lys	Arg	Ile	Gly	Val	
145					150					155					160	
Phe	Ser	Tyr	Gly	Ser	Gly	Leu	Ala	Ala	Thr	Leu	Tyr	Ser	Leu	Lys	Val	
				165					170					175		
Thr	Gln	Asp	Ala	Thr	Pro	Gly	Ser	Ala	Leu	Asp	Lys	Ile	Thr	Ala	Ser	
			180					185					190			
Leu	Cys	Asp	Leu	Lys	Ser	Lys	Ala									
		195					200									

<210> 6194

<211> 113

<212> PRT

<213> Homo sapiens

<400> 6194

Glu Glu Leu Arg Glu Ser Ala Ala Ala Gly Ser Ala Asp Ala Met Asp
1 5 10 15
Asn Val Gln Pro Lys Ile Lys His Arg Pro Phe Cys Phe Ser Val Lys
20 25 30
Gly His Val Lys Met Leu Arg Leu Asp Ile Ile Asn Ser Leu Val Thr
35 40 45

5411

Thr Val Phe Met Leu Ile Val Ser Val Leu Ala Leu Ile Pro Glu Thr
 50 55 60
 Thr Thr Leu Thr Val Gly Gly Gly Val Phe Ala Leu Val Thr Ala Val
 65 70 75 80
 Cys Cys Leu Ala Asp Gly Ala Leu Ile Tyr Arg Lys Leu Leu Phe Asn
 85 90 95
 Pro Ser Gly Pro Tyr Gln Lys Lys Pro Val His Glu Lys Lys Glu Val
 100 105 110
 Leu

<210> 6195

<211> 480

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (196)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (392)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6195

Ser Asp Lys Trp Pro Thr Ala Val Arg Ala Asn Gly His Leu Leu Leu
 1 5 10 15

Asn Ser Glu Lys Met Ser Lys Ser Thr Gly Asn Phe Leu Thr Leu Thr
 20 25 30

Gln Ala Ile Asp Lys Phe Ser Ala Asp Gly Met Arg Leu Ala Leu Ala
 35 40 45

Asp Ala Gly Asp Thr Val Glu Asp Ala Asn Phe Val Glu Ala Met Ala
 50 55 60

Asp Ala Gly Ile Leu Arg Leu Tyr Thr Trp Val Glu Trp Val Lys Glu
 65 70 75 80

Met Val Ala Asn Trp Asp Ser Leu Arg Ser Gly Pro Ala Ser Thr Phe
 85 90 95

5412

Asn	Asp	Arg	Val	Phe	Ala	Ser	Glu	Leu	Asn	Ala	Gly	Ile	Ile	Lys	Thr	100	105	110
Asp	Gln	Asn	Tyr	Glu	Lys	Met	Met	Phe	Lys	Glu	Ala	Leu	Lys	Thr	Gly	115	120	125
Phe	Phe	Glu	Phe	Gln	Ala	Ala	Lys	Asp	Lys	Tyr	Arg	Glu	Leu	Ala	Val	130	135	140
Glu	Gly	Met	His	Arg	Glu	Leu	Val	Phe	Arg	Phe	Ile	Glu	Val	Gln	Thr	145	150	155
Leu	Leu	Leu	Ala	Pro	Phe	Cys	Pro	His	Leu	Cys	Glu	His	Ile	Trp	Thr	165	170	175
Leu	Leu	Gly	Lys	Pro	Asp	Ser	Ile	Met	Asn	Ala	Ser	Trp	Pro	Val	Ala	180	185	190
Gly	Pro	Val	Xaa	Glu	Val	Leu	Ile	His	Ser	Ser	Gln	Tyr	Leu	Met	Glu	195	200	205
Val	Thr	His	Asp	Leu	Arg	Leu	Arg	Leu	Lys	Asn	Tyr	Met	Met	Pro	Ala	210	215	220
Lys	Gly	Lys	Lys	Thr	Asp	Lys	Gln	Pro	Leu	Gln	Lys	Pro	Ser	His	Cys	225	230	235
Thr	Ile	Tyr	Val	Ala	Lys	Asn	Tyr	Pro	Pro	Trp	Gln	His	Thr	Thr	Leu	245	250	255
Ser	Val	Leu	Arg	Lys	His	Phe	Glu	Ala	Asn	Asn	Gly	Lys	Leu	Pro	Asp	260	265	270
Asn	Lys	Val	Ile	Ala	Ser	Glu	Leu	Gly	Ser	Met	Pro	Glu	Leu	Lys	Lys	275	280	285
Tyr	Met	Lys	Lys	Val	Met	Pro	Phe	Val	Ala	Met	Ile	Lys	Glu	Asn	Leu	290	295	300
Glu	Lys	Met	Gly	Pro	Arg	Ile	Leu	Asp	Leu	Gln	Leu	Glu	Phe	Asp	Glu	305	310	315
Lys	Ala	Val	Leu	Met	Glu	Asn	Ile	Val	Tyr	Leu	Thr	Asn	Ser	Leu	Glu	325	330	335
Leu	Glu	His	Ile	Glu	Val	Lys	Phe	Ala	Ser	Glu	Ala	Glu	Asp	Lys	Ile	340	345	350
Arg	Glu	Asp	Cys	Cys	Pro	Gly	Lys	Pro	Leu	Asn	Val	Phe	Arg	Ile	Glu	355	360	365

5413

Pro Gly Val Ser Val Ser Leu Val Asn Pro Gln Pro Ser Asn Gly His
 370 375 380

Phe Ser Thr Lys Ile Glu Ile Xaa Gln Gly Asp Asn Cys Asp Ser Ile
 385 390 395 400

Ile Arg Arg Leu Met Lys Met Asn Arg Gly Ile Lys Asp Leu Ser Lys
 405 410 415

Val Lys Leu Met Arg Phe Asp Asp Pro Leu Leu Gly Pro Arg Arg Val
 420 425 430

Pro Val Leu Gly Lys Glu Tyr Thr Glu Lys Thr Pro Ile Ser Glu His
 435 440 445

Ala Val Phe Asn Val Asp Leu Met Ser Lys Lys Ile His Leu Thr Glu
 450 455 460

Asn Gly Ile Arg Val Asp Ile Gly Asp Thr Ile Ile Tyr Leu Val His
 465 470 475 480

..

<210> 6196

<211> 110

<212> PRT

<213> Homo sapiens

<400> 6196

Met Lys Thr Arg Thr Ile Ser Phe Ala Arg Ile Pro Asn Leu Ala Arg
 1 5 10 15

Pro Ala Ala Pro Ser Leu Arg Pro Asp Asp Val Phe Ile Ala Val Lys
 20 25 30

Thr Thr Arg Lys Asn His Gly Pro Arg Leu Arg Leu Leu Arg Thr
 35 40 45

Trp Ile Ser Arg Ala Arg Gln Gln Thr Phe Ile Phe Thr Asp Gly Asp
 50 55 60

Asp Pro Glu Leu Glu Leu Gln Gly Gly Asp Arg Val Ile Asn Thr Asn
 65 70 75 80

Cys Ser Ala Val Arg Thr Arg Gln Ala Leu Cys Cys Lys Met Ser Val
 85 90 95

5414

Glu Tyr Asp Lys Phe Ile Glu Ser Gly Arg Lys Trp Phe Cys
 100 105 110

<210> 6197

<211> 74

<212> PRT

<213> Homo sapiens

<400> 6197

Trp Leu Asn Ala Ala Lys Met Arg Ile Lys Gly Met Lys Trp Phe Asn
 1 5 10 15

Thr Leu Ser His Asn Arg Trp Leu Glu Gln Glu Thr Asp Arg Ile Phe
 20 25 30

Asp Phe Gly Lys Asn Ser Val Val Pro Thr Gly Phe Gly Trp Leu Gly
 35 40 45

Asn Lys Gly Gln Ile Lys Glu Glu Met Gly Thr His Leu Trp Ile Thr
 50 55 60

Ala Arg Met Leu His Val Tyr Ser Val Ala
 65 70

<210> 6198

<211> 251

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6198

Leu Leu Pro Ala Gly Arg Lys Ala Arg Leu Ser Glu Ala Pro Gly Gly
 1 5 10 15

Lys Lys Ser Leu Ser Met Leu His Tyr Ile Arg Gly Ala Ala Pro Lys
 20 25 30

Asp Ile Pro Val Pro Leu Ser His Ser Thr Asn Gly Lys Ser Lys Pro
 35 40 45

Trp Glu Pro Phe Val Ala Glu Glu Phe Ala His Xaa Phe His Glu Ser
 50 55 60

5415

Val Leu Gln Ser Thr Gln Lys Ala Leu Gln Lys His Lys Gly Ser Val
 65 70 75 80
 Ala Val Leu Ser Ala Glu Gln Asn His Lys Val Asp Thr Ser Val His
 85 90 95
 Tyr Asn Ile Pro Glu Leu Gln Ser Ser Ser Arg Ala Pro Pro Pro Gln
 100 105 110
 His Asn Gly Gln Gln Glu Pro Pro Thr Ala Arg Lys Gly Pro Pro Thr
 115 120 125
 Gln Glu Leu Asp Arg Asp Ser Glu Glu Glu Glu Glu Glu Asp Asp Glu
 130 135 140
 Asp Gly Glu Asp Glu Glu Glu Val Pro Lys Arg Lys Trp Gln Gly Ile
 145 150 155 160
 Glu Ala Val Phe Glu Ala Tyr Gln Glu His Ile Glu Glu Gln Asn Leu
 165 170 175
 Glu Arg Gln Val Leu Gln Thr Gln Cys Arg Arg Leu Glu Ala Arg His
 180 185 190
 Tyr Ser Leu Ser Leu Thr Ala Glu Gln Leu Ser His Ser Val Ala Glu
 195 200 205
 Leu Arg Ser Gln Lys Gln Lys Met Val Ser Glu Arg Glu Arg Leu Gln
 210 215 220
 Ala Glu Leu Asp His Leu Arg Lys Cys Leu Ala Leu Pro Ala Met His
 225 230 235 240
 Trp Pro Arg Gly Tyr Leu Lys Gly Tyr Pro Arg
 245 250

<210> 6199

<211> 115

<212> PRT

<213> Homo sapiens

<400> 6199

Glu Arg Val Ser Val Gly Gly Leu Val Gly Glu Val Ala Cys Ala Cys
 1 5 10 15
 Arg Asp Cys Ile Pro Glu Thr Met Ala Glu Gly Asp Asn Arg Ser Thr
 20 25 30
 Asn Leu Leu Ala Ala Glu Thr Ala Ser Leu Glu Glu Lys Pro Lys Met

5416

35 40 45
 Tyr Phe Met Thr Met Ile Val Ser Leu Ala Ala Val Ala Trp Val Gly
 50 55 60
 Gln Gln Val His Asn Leu Leu Thr Tyr Leu Ile Val Thr Ser Leu
 65 70 75 80
 Leu Leu Leu Pro Gly Leu Asn Gln His Gly Ile Ile Leu Lys Tyr Ile
 85 90 95
 Gly Met Ala Lys Arg Glu Ile Asn Lys Leu Leu Lys Gln Lys Glu Lys
 100 105 110
 Lys Asn Glu
 115

<210> 6200

<211> 63

<212> PRT

<213> Homo sapiens

<400> 6200

Leu Phe Val Ser Phe Ile Phe Thr Leu Lys Gln Glu Leu Ser Tyr Leu
 1 5 10 15
 Ile Ile Lys Val Ser Tyr Val Leu Ser Ala Arg Thr Phe Leu Ala Phe
 20 25 30
 Val Arg Met Cys Leu His Met Ser Ile Ile Asn Pro His Val Tyr Thr
 35 40 45
 Ile Val Ser Tyr Val Leu Leu Pro Asp Ser Ser Leu Cys Ile Leu
 50 55 60

<210> 6201

<211> 141

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6201

Pro Leu Pro Ser Gln Gly Ala Arg Trp Trp Leu Trp His Ser Cys Arg

5417

1	5	10	15
Val Val Phe Phe Ser Leu Arg Trp Ser Leu Thr Leu Val Thr Pro Ala	20	25	30
Gly Met Trp Trp Cys Lys Gln Leu Thr Ala Ala Leu Thr Leu Arg Leu	35	40	45
Lys Arg Ser Phe Cys Leu Gly Leu Leu Ser Ser Trp Asp Pro Arg Arg	50	55	60
Glu Ser Pro His Pro Val His Val Pro Ala Gly Leu Asp Met Arg Gly	65	70	75
Arg Cys Val Phe Pro Ala Thr Phe Ser Ser Ser Phe Leu Arg Gln Thr	85	90	95
Leu Ala Pro Ser Pro Arg Pro Glu Cys Gly Xaa Ala Asn Thr Ala His	100	105	110
Cys Ser Leu Asp Pro Gln Ala Gln Ala Ile Leu Thr Pro Arg Thr Pro	115	120	125
Lys Val Leu Gly Ser Gln Ala Arg Val Thr Met Leu Ala	130	135	140

<210> 6202

<211> 231

<212> PRT

<213> Homo sapiens

<400> 6202

Ile Ala Gly Thr Ala Thr Ala Arg Trp Trp Pro Ser Trp Trp Cys Ser	1	5	10	15
Asn Val Arg His Leu Gly Leu Lys Ser Glu Glu Ile Cys Trp Thr Asn	20	25	30	
Ser Glu Thr Phe Ala Ala Trp Cys Ala Leu Ala Ser Gly Ser Ser Arg	35	40	45	
Arg Glu Gly Arg Cys Arg Gln Ala Arg Ser Pro Arg Ser Ser Ser Thr	50	55	60	
Ile Ser Arg Cys Thr Trp Glu Arg Thr Arg Ser Thr Pro Pro Gly Phe	65	70	75	80
Thr Ala Trp Lys Thr Ser Ser Ala Arg Ser Ala Val Ser Thr Pro Ala	85	90	95	

5418

Ala Ala Cys Glu Cys Ser Arg Ser Ser Pro Thr Ser Trp Thr Thr Arg
100 105 110

Ser Ser Arg Leu Gly Ala Ala Gly Pro Ser Ala Ser Pro Ala Pro Arg
115 120 125

Ser Leu Pro Phe Pro Ala Pro Gly Leu Arg Ser Gln Arg Phe Ser Thr
130 135 140

Ser Ala Pro Pro Arg His Ala Arg Pro Pro Pro Val Ala Arg Ala Arg
145 150 155 160

Ala Ala Pro Pro His Pro Gln Ala Ser Gly Arg Lys Ser Gln Glu Leu
165 170 175

Pro Gln Gly Arg Lys Gly Ala Ala Ala Ser Ala Trp Leu Thr Ala Thr
180 185 190

Ala Val Val Thr Val Leu Gly Asp Pro Ala Cys Ala Phe Pro Leu Arg
195 200 205

Cys Lys Pro Gly Thr Gly Lys Gly Leu Arg Gly Glu Arg Thr Trp Pro
210 215 220

Ser Pro Arg Val His Gly Gln
225 230

<210> 6203

<211> 191

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

5419

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6203

Gly	Asp	Pro	Thr	Cys	Arg	Gln	Asn	Leu	Arg	Cys	Gly	Thr	Pro	Gly	Thr
1				5				10					15		

Val	Ala	Ala	Ala	Gly	Asp	Cys	Gly	Leu	Phe	Ser	Ala	Met	His	Pro	Leu
			20					25					30		

Gln	Cys	Val	Leu	Gln	Val	Gln	Arg	Ser	Leu	Gly	Trp	Gly	Pro	Leu	Ala
		35					40					45			

Ser	Val	Ser	Trp	Leu	Ser	Leu	Arg	Met	Cys	Arg	Ala	His	Ser	Ser	Leu
	50					55					60				

Ser	Ser	Thr	Met	Cys	Pro	Ser	Pro	Glu	Arg	Gln	Glu	Asp	Gly	Ala	Arg
65					70					75					80

Lys	Asp	Phe	Ser	Ser	Arg	Leu	Ala	Ala	Gly	Pro	Thr	Phe	Gln	His	Phe
				85					90					95	

Leu	Lys	Ser	Ala	Ser	Ala	Pro	Gln	Glu	Lys	Leu	Ser	Ser	Glu	Val	Glu
			100					105					110		

Asp	Pro	Pro	Pro	Tyr	Leu	Met	Met	Asp	Glu	Leu	Leu	Gly	Arg	Gln	Arg
			115				120					125			

Lys	Val	Tyr	Leu	Glu	Thr	Tyr	Gly	Cys	Gln	Met	Asn	Val	Asn	Asp	Thr
	130						135				140				

Glu	Ile	Ala	Trp	Ser	Ile	Leu	Gln	Lys	Ser	Gly	Tyr	Leu	Arg	Thr	Ser
145					150					155					160

Asn	Leu	Gln	Glu	Ala	Asp	Val	Ile	Leu	Leu	Xaa	Xaa	Ala	Leu	Ser	Gly
			165						170					175	

Arg	Xaa	Leu	Ser	Arg	Pro	Ser	Gly	Thr	Val	Thr	Xaa	Xaa	Lys	Ala	
		180						185					190		

<210> 6204

<211> 408

<212> PRT

5420

<213> Homo sapiens

<400> 6204

Lys Ile Met Ala His Tyr Gly Ser Ile Gln Tyr Cys Phe His Thr Cys
 1 5 10 15
 Thr Leu Glu Thr Lys Phe Pro Ile Ile Pro Tyr Ile Pro Thr Leu Ile
 20 25 30
 Thr Gln Leu Thr Gln Lys Leu Leu Ala Val Ser Lys Asn Pro Ser Lys
 35 40 45
 Pro His Phe Asn His Tyr Met Phe Glu Ala Ile Cys Leu Ser Ile Arg
 50 55 60
 Ile Thr Cys Lys Ala Asn Pro Ala Ala Val Val Asn Phe Glu Glu Ala
 65 70 75 80
 Leu Phe Leu Val Phe Thr Glu Ile Leu Gln Asn Asp Val Gln Glu Phe
 85 90 95
 Ile Pro Tyr Val Phe Gln Val Met Ser Leu Leu Leu Glu Thr His Lys
 100 105 110
 Asn Asp Ile Pro Ser Ser Tyr Met Ala Leu Phe Pro His Leu Leu Gln
 115 120 125
 Pro Val Leu Trp Glu Arg Thr Gly Asn Ile Pro Ala Leu Val Arg Leu
 130 135 140
 Leu Gln Ala Phe Leu Glu Arg Gly Ser Asn Thr Ile Ala Ser Ala Ala
 145 150 155 160
 Ala Asp Lys Ile Pro Gly Leu Leu Gly Val Phe Gln Lys Leu Ile Ala
 165 170 175
 Ser Lys Ala Asn Asp His Gln Gly Phe Tyr Leu Leu Asn Ser Ile Ile
 180 185 190
 Glu His Met Pro Pro Glu Ser Val Asp Gln Tyr Arg Lys Gln Ile Phe
 195 200 205
 Ile Leu Leu Phe Gln Arg Leu Gln Asn Ser Lys Thr Thr Lys Phe Ile
 210 215 220
 Lys Ser Phe Leu Val Phe Ile Asn Leu Tyr Cys Ile Lys Tyr Gly Ala
 225 230 235 240
 Leu Ala Leu Gln Glu Ile Phe Asp Gly Ile Gln Pro Lys Met Phe Gly
 245 250 255

5421

Met Val Leu Glu Lys Ile Ile Ile Pro Glu Ile Gln Lys Val Ser Gly
260 265 270

Asn Val Glu Lys Lys Ile Cys Ala Val Gly Ile Thr Lys Leu Leu Thr
275 280 285

Glu Cys Pro Pro Met Met Asp Thr Glu Tyr Thr Lys Leu Trp Thr Pro
290 295 300

Leu Leu Gln Ser Leu Ile Gly Leu Phe Glu Leu Pro Glu Asp Asp Thr
305 310 315 320

Ile Pro Asp Glu Glu His Phe Ile Asp Ile Glu Asp Thr Pro Gly Tyr
325 330 335

Gln Thr Ala Phe Ser Gln Leu Ala Phe Ala Gly Lys Lys Glu His Asp
340 345 350

Pro Val Gly Gln Met Val Asn Asn Pro Lys Ile His Leu Ala Gln Ser
355 360 365

Leu His Lys Leu Ser Thr Ala Cys Pro Gly Arg Val Pro Ser Met Val
370 375 380

Ser Thr Ser Leu Asn Ala Glu Ala Leu Gln Tyr Leu Gln Gly Tyr Leu
385 390 395 400

Gln Ala Ala Ser Val Thr Leu Leu
405

<210> 6205

<211> 139

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

5422

<400> 6205

Ala Ala Ala Ser Arg Arg Pro Cys Ala Gln Arg Ser Arg Thr Ser Pro
 1 5 10 15

Ala Ala Ala Ser Cys Arg Ser Ala Phe Gly Val Arg Arg Ala Gln Pro
 20 25 30

Ala Ser Glu Leu Arg Gly Pro Gly Arg Val Ala Arg Met Ala Trp Ala
 35 40 45

Gly Ser Arg Arg Val Pro Ala Gly Thr Arg Ala Ala Ala Glu Arg Cys
 50 55 60

Cys Arg Leu Ser Leu Ser Pro Gly Ala Gln Pro Ala Arg Pro Arg Pro
 65 70 75 80

Ser Ala Pro Pro Arg Pro Met Arg Phe Leu Thr Ser Cys Xaa Leu Leu
 85 90 95

Leu Pro Arg Ala Ala Gln Ile Leu Ala Xaa Glu Ala Gly Leu Pro Ser
 100 105 110

Xaa Arg Ser Phe Met Gly Phe Ala Ala Pro Phe Thr Asn Lys Arg Lys
 115 120 125

Ala Tyr Ser Glu Arg Arg Ile Met Gly Tyr Ser
 130 135

<210> 6206

<211> 275

<212> PRT

<213> Homo sapiens

<400> 6206

Gly Gly Ala Ser Asn Phe Leu Ser Trp Arg Glu Ser Ala Arg Trp Ser
 1 5 10 15

Arg Gln Leu Arg Arg Thr Leu Ile Arg Leu Ser Phe Pro Ile Ser Cys
 20 25 30

Gly Arg Ser His Ala Phe Gly Gly Cys Lys Met Ala Ala Thr Ser Gly
 35 40 45

Thr Asp Glu Pro Val Ser Gly Glu Leu Val Ser Val Ala His Ala Leu
 50 55 60

Ser Leu Pro Ala Glu Ser Tyr Gly Asn Asp Pro Asp Ile Glu Met Ala
 65 70 75 80

5423

Trp Ala Met Arg Ala Met Gln His Ala Glu Val Tyr Tyr Lys Leu Ile
 85 90 95
 Ser Ser Val Asp Pro Gln Phe Leu Lys Leu Thr Lys Val Asp Asp Gln
 100 105 110
 Ile Tyr Ser Glu Phe Arg Lys Asn Phe Glu Thr Leu Arg Ile Asp Val
 115 120 125
 Leu Asp Pro Glu Glu Leu Lys Ser Glu Ser Ala Lys Glu Lys Trp Arg
 130 135 140
 Pro Phe Cys Leu Lys Phe Asn Gly Ile Val Glu Asp Phe Asn Tyr Gly
 145 150 155 160
 Thr Leu Leu Arg Leu Asp Cys Ser Gln Gly Tyr Thr Glu Glu Asn Thr
 165 170 175
 Ile Phe Ala Pro Arg Ile Gln Phe Phe Ala Ile Glu Ile Ala Arg Asn
 180 185 190
 Arg Glu Gly Tyr Asn Lys Ala Val Tyr Ile Ser Val Gln Asp Lys Glu
 195 200 205
 Gly Glu Lys Gly Val Asn Asn Gly Gly Glu Lys Arg Ala Asp Ser Gly
 210 215 220
 Glu Glu Glu Asn Thr Lys Asn Gly Gly Glu Lys Gly Ala Asp Ser Gly
 225 230 235 240
 Glu Glu Lys Glu Glu Gly Ile Asn Arg Glu Asp Lys Thr Asp Lys Gly
 245 250 255
 Gly Glu Lys Gly Lys Glu Ala Asp Lys Glu Ile Asn Lys Ser Gly Glu
 260 265 270
 Lys Ala Met
 275

<210> 6207

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

5424

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6207

Lys	Met	Leu	Xaa	Glu	Ile	Lys	Ile	Ile	Ser	Leu	Xaa	Val	Arg	Leu	Asn
1				5					10					15	

Thr	Xaa	Asn	Leu	Xaa	Pro	Asn	Ile	Thr	Tyr	Gly	Ser	Asn	Tyr	Phe	Leu
			20					25					30		

Phe	Cys	Cys	Leu	Pro	Ile	Leu	Asn	Asn	Ile	Phe	Ser	Leu	Asn	Tyr	Cys
			35				40					45			

Lys	Xaa	Phe	Phe	Val	Gly	Gly	Xaa	Phe	Tyr	Leu	Leu	Gln	Asn	Asn	Lys
							55				60				

Val	Gln	Thr	Ile	Leu	Cys	Leu	Thr	Val	Ala	Leu	Ser	Lys	His	Tyr	Ala
65						70					75				80

Trp	Ile	Ala	Phe	Glu	Lys	Lys
						85

<210> 6208

<211> 119

<212> PRT

<213> Homo sapiens

5425

<400> 6208

Pro Phe Pro Ser Leu Pro Ser Ser Cys Cys Gln Gly Leu Gln Val Cys
 1 5 10 15

His Arg Pro Gly Pro Ser Leu Lys His Gly Ile Ile Ser Glu Leu Glu
 20 25 30

Val Ala Ala Ser Glu Lys Asn Pro Ser Arg Val Leu Thr Ala Glu Ile
 35 40 45

Gln Glu Leu Gly Asn Gln Pro Pro Val Cys Arg Leu Leu Ser Leu Glu
 50 55 60

Ile Leu Trp Pro Asn Leu Val Ala Val Phe Trp Asn Ser Phe Tyr Arg
 65 70 75 80

Gly Arg Gln Cys Cys Ala Phe Leu Asp Phe Arg Met Phe Gln Gly Cys
 85 90 95

Cys Trp Ile Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys
 100 105 110

Val Arg Ala Cys Met Cys Ala
 115

<210> 6209

<211> 180

<212> PRT

<213> Homo sapiens

<400> 6209

Arg Asn Met Ser Ser Phe Ser Arg Ala Pro Gln Gln Trp Ala Thr Phe
 1 5 10 15

Ala Arg Ile Trp Tyr Leu Leu Asp Gly Lys Met Gln Pro Pro Gly Lys
 20 25 30

Leu Ala Ala Met Ala Ser Ile Arg Leu Gln Gly Leu His Lys Pro Val
 35 40 45

Tyr His Ala Leu Ser Asp Cys Gly Asp His Val Val Ile Met Asn Thr
 50 55 60

Arg His Ile Ala Phe Ser Gly Asn Lys Trp Glu Gln Lys Val Tyr Ser
 65 70 75 80

Ser His Thr Gly Tyr Pro Gly Gly Phe Arg Gln Val Thr Ala Ala Gln
 85 90 95

5426

Leu His Leu Arg Asp Pro Val Ala Ile Val Lys Leu Ala Ile Tyr Gly
 100 105 110
 Met Leu Pro Lys Asn Leu His Arg Arg Thr Met Met Glu Arg Leu His
 115 120 125
 Leu Phe Pro Asp Glu Tyr Ile Pro Glu Asp Ile Leu Lys Asn Leu Val
 130 135 140
 Glu Glu Leu Pro Gln Pro Arg Lys Ile Pro Lys Arg Leu Asp Glu Tyr
 145 150 155 160
 Thr Gln Glu Glu Ile Asp Ala Phe Pro Arg Leu Trp Thr Pro Pro Glu
 165 170 175
 Asp Tyr Arg Leu
 180

<210> 6210

<211> 86

<212> PRT

<213> Homo sapiens

<400> 6210

Ala Glu Leu Gly Ala Asn Gly Ser Ile Ala Val Ile Ser Gly Arg Arg
 1 5 10 15
 Val Ser Ile Gln Val Ser Asp Ser Ser Ala Arg Leu Pro Trp Val Trp
 20 25 30
 Glu Glu Ala Leu Pro Phe Cys Ala Val Asp Pro Ala Cys Leu Leu Trp
 35 40 45
 Ser Pro Pro Thr Leu Ala Arg Ser Phe Thr Asn Gln Arg Arg Ala Val
 50 55 60
 Ser Lys Ser Ser Asp Arg Met Trp Cys Lys Cys Arg Cys Thr Ser Leu
 65 70 75 80
 Thr Leu Ser Cys Arg Ser
 85

<210> 6211

<211> 42

<212> PRT

<213> Homo sapiens

5427

<400> 6211

Ile Leu Ser Asp Val Trp Ser Leu Ser Ile Gln Thr Val Asn Ile Val
 1 5 10 15

Leu Val Phe Val Leu Ile Leu Ile Leu Leu Tyr Ser Leu Arg Cys
 20 25 30

Ala Met Gln Thr Leu Ser Asn Cys Val Trp
 35 40

<210> 6212

<211> 269

<212> PRT

<213> Homo sapiens

<400> 6212

Arg Asp Leu Ser Glu Pro Val Ala Gly Leu Phe Tyr Phe Pro Ser Leu
 1 5 10 15

Ser Pro Ala Pro Tyr Leu Phe Ser Pro Phe Ser His Pro Arg Ser Arg
 20 25 30

Ser His Gly Gly Ala Ser Ala Ala Thr Gln Ser His Ser Ile Ser Ser
 35 40 45

Ser Ser Phe Gly Ala Glu Pro Ser Ala Pro Gly Gly Gly Gly Ser Pro
 50 55 60

Gly Ala Cys Pro Ala Leu Gly Thr Lys Ser Cys Ser Ser Ser Cys Ala
 65 70 75 80

Val His Asp Leu Ile Phe Trp Arg Asp Val Lys Lys Thr Gly Phe Val
 85 90 95

Phe Gly Thr Thr Leu Ile Met Leu Leu Ser Leu Ala Ala Phe Ser Val
 100 105 110

Ile Ser Val Val Ser Tyr Leu Ile Leu Ala Leu Leu Ser Val Thr Ile
 115 120 125

Ser Phe Arg Ile Tyr Lys Ser Val Ile Gln Ala Val Gln Lys Ser Glu
 130 135 140

Glu Gly His Pro Phe Lys Ala Tyr Leu Asp Val Asp Ile Thr Leu Ser
 145 150 155 160

Ser Glu Ala Phe His Asn Tyr Met Asn Ala Ala Met Val His Ile Asn
 165 170 175

5428

Arg Ala Leu Lys Leu Ile Ile Arg Leu Phe Leu Val Glu Asp Leu Val
 180 185 190

Asp Ser Leu Lys Leu Ala Val Phe Met Trp Leu Met Thr Tyr Val Gly
 195 200 205

Ala Val Phe Asn Gly Ile Thr Leu Leu Ile Leu Ala Glu Leu Leu Ile
 210 215 220

Phe Ser Val Pro Ile Val Tyr Glu Lys Tyr Lys Thr Gln Ile Asp His
 225 230 235 240

Tyr Val Gly Ile Ala Arg Asp Gln Thr Lys Ser Ile Val Glu Lys Ile
 245 250 255

Gln Ala Lys Leu Pro Gly Ile Ala Lys Lys Lys Ala Glu
 260 265

<210> 6213

<211> 206

<212> PRT

<213> Homo sapiens

<400> 6213

Pro Ala Gly Asp Asn Gly Asn Met Ala Leu Asn Gly Ala Glu Val Asp
 1 5 10 15

Asp Phe Ser Trp Glu Pro Pro Thr Glu Ala Glu Thr Lys Val Leu Gln
 20 25 30

Ala Arg Arg Glu Arg Gln Asp Arg Ile Ser Arg Leu Met Gly Asp Tyr
 35 40 45

Leu Leu Arg Gly Tyr Arg Met Leu Gly Glu Thr Cys Ala Asp Cys Gly
 50 55 60

Thr Ile Leu Leu Gln Asp Lys Gln Arg Lys Ile Tyr Cys Val Ala Cys
 65 70 75 80

Gln Glu Leu Asp Ser Asp Val Asp Lys Asp Asn Pro Ala Leu Asn Ala
 85 90 95

Gln Ala Ala Leu Ser Gln Ala Arg Glu His Gln Leu Ala Ser Ala Ser
 100 105 110

Glu Leu Pro Leu Gly Ser Arg Pro Ala Pro Gln Pro Pro Val Pro Arg
 115 120 125

5429

Pro Glu His Cys Glu Gly Ala Ala Ala Gly Leu Lys Ala Ala Gln Gly
 130 135 140

Pro Pro Ala Pro Ala Val Pro Pro Asn Thr Asp Val Met Ala Cys Thr
 145 150 155 160

Gln Thr Ala Leu Leu Gln Lys Leu Thr Trp Ala Ser Ala Glu Leu Gly
 165 170 175

Ser Ser Thr Ser Leu Glu Thr Ser Ile Gln Leu Cys Gly Leu Ile Arg
 180 185 190

Ala Cys Ala Glu Ala Leu Arg Ser Leu Gln Gln Leu Gln His
 195 200 205

<210> 6214

<211> 583

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (397)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6214

Ala Ala Pro Ala Trp Ala Ala Leu Pro Leu Ser Arg Ser Leu Pro Pro
 1 5 10 15

Cys Ser Asn Ser Ser Ser Phe Ser Met Pro Leu Phe Leu Leu Leu Leu
 20 25 30

Leu Val Leu Leu Leu Leu Leu Glu Asp Ala Gly Ala Gln Gln Gly Asp
 35 40 45

Gly Cys Gly His Thr Val Leu Gly Pro Glu Ser Gly Thr Leu Thr Ser
 50 55 60

Ile Asn Tyr Pro Gln Thr Tyr Pro Asn Ser Thr Val Cys Glu Trp Glu
 65 70 75 80

Ile Arg Val Lys Met Gly Glu Arg Val Arg Ile Lys Phe Gly Asp Phe
 85 90 95

Asp Ile Glu Asp Ser Asp Ser Cys His Phe Asn Tyr Leu Arg Ile Tyr
 100 105 110

Asn Gly Ile Gly Val Ser Arg Thr Glu Ile Gly Lys Tyr Cys Gly Leu
 115 120 125

5430

Gly Leu Gln Met Asn His Ser Ile Glu Ser Lys Gly Asn Glu Ile Thr
 130 135 140
 Leu Leu Phe Met Ser Gly Ile His Val Ser Gly Arg Gly Phe Leu Ala
 145 150 155 160
 Ser Tyr Ser Val Ile Asp Lys Gln Asp Leu Ile Thr Cys Leu Asp Thr
 165 170 175
 Ala Ser Asn Phe Leu Glu Pro Glu Phe Ser Lys Tyr Cys Pro Ala Gly
 180 185 190
 Cys Leu Leu Pro Phe Ala Glu Ile Ser Gly Thr Ile Pro His Gly Tyr
 195 200 205
 Arg Asp Ser Ser Pro Leu Cys Met Ala Gly Val His Ala Gly Val Val
 210 215 220
 Ser Asn Thr Leu Gly Gly Gln Ile Ser Val Val Ile Ser Lys Gly Ile
 225 230 235 240
 Pro Tyr Tyr Glu Ser Ser Leu Ala Asn Asn Val Thr Ser Val Val Gly
 245 250 255
 His Leu Ser Thr Ser Leu Phe Thr Phe Lys Thr Ser Gly Cys Tyr Gly
 260 265 270
 Thr Leu Gly Met Glu Ser Gly Val Ile Ala Asp Pro Gln Ile Thr Ala
 275 280 285
 Ser Ser Val Leu Glu Trp Thr Asp His Thr Gly Gln Glu Asn Ser Trp
 290 295 300
 Lys Pro Lys Lys Ala Arg Leu Lys Lys Pro Gly Pro Pro Trp Ala Ala
 305 310 315 320
 Phe Ala Thr Asp Glu Tyr Gln Trp Leu Gln Ile Asp Leu Asn Lys Glu
 325 330 335
 Lys Lys Ile Thr Gly Ile Ile Thr Thr Gly Ile Thr Met Val Glu His
 340 345 350
 Asn Tyr Tyr Val Ser Ala Tyr Arg Ile Leu Tyr Ser Asp Asp Gly Gln
 355 360 365
 Lys Trp Thr Val Tyr Arg Glu Pro Gly Val Glu Gln Asp Lys Ile Phe
 370 375 380
 Gln Gly Asn Lys Asp Tyr His Gln Asp Val Arg Asn Xaa Phe Leu Pro
 385 390 395 400

5431

Pro Ile Ile Ala Arg Phe Ile Arg Val Asn Pro Thr Gln Trp Gln Gln
 405 410 415

 Lys Ile Ala Met Lys Met Glu Leu Leu Gly Cys Gln Phe Ile Pro Lys
 420 425 430

 Gly Arg Pro Pro Lys Leu Thr Gln Pro Pro Pro Pro Arg Asn Ser Asn
 435 440 445

 Asp Leu Lys Asn Thr Thr Ala Pro Pro Lys Ile Ala Lys Gly Arg Ala
 450 455 460

 Pro Lys Phe Thr Gln Pro Leu Gln Pro Arg Ser Ser Asn Glu Phe Pro
 465 470 475 480

 Ala Gln Thr Glu Gln Thr Thr Ala Ser Pro Asp Ile Arg Asn Thr Thr
 485 490 495

 Val Thr Pro Asn Val Thr Lys Asp Val Ala Leu Ala Ala Val Leu Val
 500 505 510

 Pro Val Leu Val Met Val Leu Thr Thr Leu Ile Leu Ile Leu Val Cys
 515 520 525

 Ala Trp His Trp Arg Asn Arg Lys Lys Lys Thr Glu Gly Thr Tyr Asp
 530 535 540

 Leu Pro Tyr Trp Asp Arg Ala Gly Asn Ser Arg Gly Leu Cys Ile Ser
 545 550 555 560

 Phe Leu Ser Glu Gly Cys Arg Ser Pro Thr Gly Gly Ser Ser Glu Lys
 565 570 575

 Arg Val Ile Leu Trp Pro Arg
 580

<210> 6215

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5432

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6215

Pro	Ser	Arg	Gly	His	Thr	Trp	Ala	Tyr	Ser	Gly	Xaa	Ala	Glu	Pro	Ala
1				5					10					15	

Xaa	Ala	Arg	Leu	Arg	Ala	Ser	Leu	Thr	Leu	Ser	Arg	Glu	Ala	Gln	Lys
			20					25						30	

Phe	Ala	Leu	Ala	Arg	Glu	Val	Val	Tyr	Leu	Glu	Ser	Ser	Thr	Thr	Ala
			35					40					45		

Val	His	Ala	Leu	Leu	Ala	Pro	Ala	Cys	Leu	Ala	Gly	Thr	Trp	Ala	Leu
	50					55					60				

Gly	Val	Gly	Ala	Lys	Tyr	Thr	Leu	Gly	Leu	His	Ala	Gly	Pro	Met	Asn
	65				70					75					80

Leu	Arg	Ala	Ala	Phe	Ser	Leu	Val	Ala	Ala	Val	Ala	Gly	Phe	Val	Ala
				85					90					95	

Tyr	Ala	Phe	Ser	Gln	Asp	Ser	Leu	Thr	His	Ala	Val	Glu	Ser	Trp	Leu
			100					105					110		

Asp	Arg	Arg	Thr	Ala	Ser	Leu	Ser	Ala	Ala	Tyr	Ala	Cys	Gly	Gly	Val
			115					120					125		

Glu	Phe	Tyr	Glu	Lys	Leu	Leu	Ser	Gly	Asn	Leu	Ala	Leu	Arg	Xaa	Leu
			130					135				140			

Phe	Gly	Gln	Lys	Lys	Gly	Glu	Lys	Leu	Tyr	Thr	Pro	Asn	Xaa	Glu	His
	145					150				155					160

Arg	Pro	Xaa	Asp	Thr	Cys	Ser
						165

5433

<210> 6216

<211> 63

<212> PRT

<213> Homo sapiens

<400> 6216

Gln Gly Leu Pro Ser Met Lys Tyr Leu Thr Phe Ser His Pro Leu Lys
 1 5 10 15

Asn Ile His Phe Tyr Lys Met Lys Thr Ile Ile Asn Val Leu Asn Ile
 20 25 30

Lys Lys Asn Asn Asn Leu Gln Arg Lys Ile Asn Gly Asp Ser Tyr Leu
 35 40 45

Pro Cys Thr Phe Ser Thr Ile Val Ala Ala Ser Cys Thr His Leu
 50 55 60

<210> 6217

<211> 521

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6217

Ala Asp Tyr Leu Leu Ser Arg Met Asp Val Thr Ser Cys Ile Ser Tyr
 1 5 10 15

Arg Asn Phe Ala Ser Cys Met Gly Asp Ser Arg Leu Leu Asn Lys Val
 20 25 30

Asp Ala Tyr Ile Gln Glu His Leu Leu Gln Ile Ser Glu Glu Glu Glu

45

Phe	Leu	Lys	Leu	Pro	Arg	Leu	Lys	Leu	Glu	Val	Met	Leu	Glu	Asp	Asn
50						55					60				
Val	Cys	Leu	Pro	Ser	Asn	Gly	Lys	Leu	Tyr	Thr	Lys	Val	Ile	Asn	Trp
65					70					75					80
Val	Gln	Arg	Xaa	Ile	Trp	Glu	Asn	Gly	Asp	Ser	Leu	Xaa	Xaa	Leu	Met
				85					90					95	
Glu	Glu	Val	Gln	Thr	Leu	Tyr	Tyr	Ser	Ala	Asp	His	Lys	Leu	Leu	Asp
			100					105					110		
Gly	Asn	Leu	Leu	Asp	Gly	Gln	Ala	Glu	Val	Phe	Gly	Ser	Asp	Asp	Asp
		115					120					125			
His	Ile	Gln	Phe	Val	Gln	Lys	Lys	Pro	Pro	Arg	Glu	Asn	Gly	His	Lys
	130					135					140				
Gln	Ile	Ser	Ser	Ser	Ser	Thr	Gly	Cys	Leu	Ser	Ser	Pro	Asn	Ala	Thr
145					150					155					160
Val	Gln	Ser	Pro	Lys	His	Glu	Trp	Lys	Ile	Val	Ala	Ser	Glu	Lys	Thr
				165					170					175	
Ser	Asn	Asn	Thr	Tyr	Leu	Cys	Leu	Ala	Val	Leu	Asp	Gly	Ile	Phe	Cys
			180					185					190		
Val	Ile	Phe	Leu	His	Gly	Arg	Asn	Ser	Pro	Gln	Ser	Ser	Pro	Thr	Ser
		195					200					205			
Thr	Pro	Lys	Leu	Ser	Lys	Ser	Leu	Ser	Phe	Glu	Met	Gln	Gln	Asp	Glu
	210					215					220				
Leu	Ile	Glu	Lys	Pro	Met	Ser	Pro	Met	Gln	Tyr	Ala	Arg	Ser	Gly	Leu
225					230					235					240
Gly	Thr	Ala	Glu	Met	Asn	Gly	Lys	Leu	Ile	Ala	Ala	Gly	Gly	Tyr	Asn
				245					250					255	
Arg	Glu	Glu	Cys	Leu	Arg	Thr	Val	Glu	Cys	Tyr	Asn	Pro	His	Thr	Asp
			260					265					270		
His	Trp	Ser	Phe	Leu	Ala	Pro	Met	Arg	Thr	Pro	Arg	Ala	Arg	Phe	Gln
		275					280					285			
Met	Ala	Val	Leu	Met	Gly	Gln	Leu	Tyr	Val	Val	Gly	Gly	Ser	Asn	Gly
	290					295					300				
His	Ser	Asp	Asp	Leu	Ser	Cys	Gly	Glu	Met	Tyr	Asp	Ser	Asn	Ile	Asp

5435

305 310 315 320
 Asp Trp Ile Pro Val Pro Glu Leu Arg Thr Asn Arg Cys Asn Ala Gly
 325 330 335
 Val Cys Ala Leu Asn Gly Lys Leu Tyr Ile Val Gly Gly Ser Asp Pro
 340 345 350
 Tyr Gly Gln Lys Gly Leu Lys Asn Cys Asp Val Phe Asp Pro Val Thr
 355 360 365
 Lys Leu Trp Thr Ser Cys Ala Pro Leu Asn Ile Arg Arg His Gln Ser
 370 375 380
 Ala Val Cys Glu Leu Gly Gly Tyr Leu Tyr Ile Ile Gly Gly Ala Glu
 385 390 395 400
 Ser Trp Asn Cys Leu Asn Thr Val Glu Arg Tyr Asn Pro Glu Asn Asn
 405 410 415
 Thr Trp Thr Leu Ile Ala Pro Met Asn Val Ala Arg Arg Gly Ala Gly
 420 425 430
 Val Ala Val Leu Asn Gly Lys Leu Phe Val Cys Gly Gly Phe Asp Gly
 435 440 445
 Ser His Ala Ile Ser Cys Val Glu Met Tyr Asp Pro Thr Arg Asn Glu
 450 455 460
 Trp Lys Met Met Gly Asn Met Thr Ser Pro Arg Ser Asn Ala Gly Ile
 465 470 475 480
 Ala Thr Val Gly Asn Thr Ile Tyr Ala Val Gly Gly Phe Asp Gly Asn
 485 490 495
 Glu Phe Leu Asn Thr Val Glu Val Tyr Asn Leu Glu Ser Asn Glu Trp
 500 505 510
 Ser Pro Tyr Thr Lys Ile Phe Gln Phe
 515 520

<210> 6218

<211> 425

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

5436

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6218

Gly	Val	Trp	Ser	Leu	Met	Leu	Leu	Gly	Asp	Met	Arg	Leu	Xaa	Phe	Xaa
1				5				10					15		

Gln	Val	Glu	Asp	Glu	Leu	Ser	Ser	Pro	Val	Val	Val	Phe	Arg	Phe	Phe
		20						25					30		

Gln	Glu	Leu	Pro	Gly	Ser	Asp	Pro	Val	Phe	Lys	Ala	Val	Pro	Val	Pro
		35					40					45			

Asn	Met	Thr	Pro	Ser	Gly	Val	Gly	Arg	Glu	Arg	His	Ser	Cys	Asp	Ala
50					55						60				

Leu	Asn	Arg	Trp	Leu	Gly	Glu	Gln	Leu	Lys	Gln	Leu	Val	Pro	Ala	Ser
65					70				75						80

Gly	Leu	Thr	Val	Met	Asp	Leu	Glu	Ala	Glu	Gly	Thr	Cys	Leu	Arg	Phe
				85					90					95	

Ser	Pro	Leu	Met	Thr	Ala	Ala	Val	Leu	Gly	Thr	Arg	Gly	Glu	Asp	Val
		100						105					110		

Asp	Gln	Leu	Val	Ala	Cys	Ile	Glu	Ser	Lys	Leu	Pro	Val	Leu	Cys	Cys
		115					120					125			

Thr	Leu	Gln	Leu	Arg	Glu	Glu	Phe	Lys	Gln	Glu	Val	Glu	Ala	Thr	Ala
	130					135					140				

Gly	Leu	Leu	Tyr	Val	Asp	Asp	Pro	Asn	Trp	Ser	Gly	Ile	Gly	Val	Val
145					150				155					160	

Arg	Tyr	Glu	His	Ala	Asn	Asp	Asp	Lys	Ser	Ser	Leu	Lys	Ser	Asp	Pro
				165				170						175	

Glu	Gly	Glu	Asn	Ile	His	Ala	Gly	Leu	Leu	Lys	Lys	Leu	Asn	Glu	Leu
			180					185					190		

Glu	Ser	Asp	Leu	Thr	Phe	Lys	Ile	Gly	Pro	Glu	Tyr	Lys	Ser	Met	Lys
		195					200					205			

Ser	Cys	Leu	Tyr	Val	Gly	Met	Ala	Ser	Asp	Asn	Val	Asp	Ala	Ala	Glu
	210					215					220				

Leu	Val	Glu	Thr	Ile	Ala	Ala	Thr	Ala	Arg	Glu	Ile	Glu	Glu	Asn	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5437

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225                230                235                240
Arg Leu Leu Glu Asn Met Thr Glu Val Val Arg Lys Gly Ile Gln Glu
                245                250                255
Ala Gln Val Glu Leu Gln Lys Ala Ser Glu Glu Arg Leu Leu Glu Glu
                260                265                270
Gly Val Leu Arg Gln Ile Pro Val Val Gly Ser Val Leu Asn Trp Phe
                275                280                285
Ser Pro Val Gln Ala Leu Gln Lys Gly Arg Thr Phe Asn Leu Thr Ala
                290                295                300
Gly Ser Leu Glu Ser Thr Glu Pro Ile Tyr Val Tyr Lys Ala Gln Gly
305                310                315                320
Ala Gly Val Thr Leu Pro Pro Thr Pro Ser Gly Ser Arg Thr Lys Gln
                325                330                335
Arg Leu Pro Gly Gln Lys Pro Phe Lys Arg Ser Leu Arg Gly Ser Asp
                340                345                350
Ala Leu Ser Glu Thr Ser Ser Val Ser His Ile Glu Asp Leu Glu Lys
                355                360                365
Val Glu Arg Leu Ser Ser Gly Pro Glu Gln Ile Thr Leu Glu Ala Ser
                370                375                380
Ser Thr Glu Gly His Pro Gly Ala Pro Ser Pro Gln His Thr Asp Gln
385                390                395                400
Thr Glu Ala Phe Gln Lys Gly Val Pro His Pro Glu Asp Asp His Ser
                405                410                415
Gln Val Glu Gly Pro Glu Ser Leu Arg
                420                425

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<210> 6219

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> xaa equals any of the naturally occurring L-amino acids

<220>

5438

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6219

Ser	Lys	Glu	Ala	Ala	Leu	Gln	Trp	His	Ser	Trp	Val	Trp	Cys	Thr	Thr
1				5					10					15	

Pro	Gln	Glu	His	Leu	Xaa	Phe	Cys	Leu	Ile	Asn	Ala	Gly	Val	Leu	Tyr
			20					25					30		

Leu	Tyr	Phe	Ser	Asn	Tyr	Leu	Gln	Ile	Asp	Glu	Glu	Xaa	Tyr	Gly	Gly
		35					40					45			

Thr	Trp	Glu	Leu	Thr	Xaa	Glu	Gly	Phe	Met	Thr	Xaa	Phe	Ala	Leu	Phe
	50					55					60				

Arg	Ser	Leu	Asp	His	Leu	Leu	His	Cys	His	Pro	Leu	Xaa	Leu	Met	Val
	65				70					75				80	

Tyr	Ser	Ser	Gln	Cys	Ser	Leu	Ser	Ser	Pro	Lys	Asp	Pro	Leu	Gly	Leu
				85					90					95	

Gln	His	Arg	Asn	Leu	Asp	Arg	Trp	Gly	Thr	Gln	Pro	Leu	Gly	Asn	Leu
			100					105					110		

Glu	Asp	Pro	Cys	Phe	Arg	Asp	Arg	Glu	Ser	Val	Cys	Trp	Gly	Ile	Ser
		115					120					125			

Val	Phe
	130

<210> 6220

<211> 150

5439

<212> PRT

<213> Homo sapiens

<400> 6220

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Thr Pro Thr Pro Phe Gly Ser Ala Arg Ala Pro Gln Ala Arg Pro Gly
 1             5             10             15

Arg Arg Asp Gly Arg Met Ser Gly Gly Arg Arg Lys Glu Glu Pro Pro
                20             25             30

Gln Pro Gln Leu Ala Asn Gly Ala Leu Lys Val Ser Val Trp Ser Lys
          35             40             45

Val Leu Arg Ser Asp Ala Ala Trp Glu Asp Lys Asp Glu Phe Leu Asp
          50             55             60

Val Ile Tyr Trp Phe Arg Gln Ile Ile Ala Val Val Leu Gly Val Ile
          65             70             75             80

Trp Gly Val Leu Pro Leu Arg Gly Phe Leu Gly Ile Ala Gly Phe Cys
                85             90             95

Leu Ile Asn Ala Gly Val Leu Tyr Leu Tyr Phe Ser Asn Tyr Leu Gln
          100             105             110

Ile Asp Glu Glu Glu Tyr Gly Gly Thr Trp Glu Leu Thr Lys Glu Gly
          115             120             125

Phe Met Thr Ser Phe Ala Leu Phe Met Val Ile Trp Ile Ile Phe Tyr
          130             135             140

Thr Ala Ile His Tyr Asp
145             150

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<210> 6221

<211> 782

<212> PRT

<213> Homo sapiens

<400> 6221

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Trp Ser Ala Ala Ala Ala Ala Ala Ala Ala Gln Ser Arg Trp Trp
 1             5             10             15

Ser Arg Arg Gly Gly Ser Arg Ser Thr Met Pro Ala Leu Pro Leu Asp
          20             25             30

Gln Leu Gln Ile Thr His Lys Asp Pro Lys Thr Gly Lys Leu Arg Thr
          35             40             45

```

5440

Ser Pro Ala Leu His Pro Glu Gln Lys Ala Asp Arg Tyr Phe Val Leu
 50 55 60
 Tyr Lys Pro Pro Pro Lys Asp Asn Ile Pro Ala Leu Val Glu Glu Tyr
 65 70 75 80
 Leu Glu Arg Ala Thr Phe Val Ala Asn Asp Leu Asp Trp Leu Leu Ala
 85 90 95
 Leu Pro His Asp Lys Phe Trp Cys Gln Val Ile Phe Asp Glu Thr Leu
 100 105 110
 Gln Lys Cys Leu Asp Ser Tyr Leu Arg Tyr Val Pro Arg Lys Phe Asp
 115 120 125
 Glu Gly Val Ala Ser Ala Pro Glu Val Val Asp Met Gln Lys Arg Leu
 130 135 140
 His Arg Ser Val Phe Leu Thr Phe Leu Arg Met Ser Thr His Lys Glu
 145 150 155 160
 Ser Lys Asp His Phe Ile Ser Pro Ser Ala Phe Gly Glu Ile Leu Tyr
 165 170 175
 Asn Asn Phe Leu Phe Asp Ile Pro Lys Ile Leu Asp Leu Cys Val Leu
 180 185 190
 Phe Gly Lys Gly Asn Ser Pro Leu Leu Gln Lys Met Ile Gly Asn Ile
 195 200 205
 Phe Thr Gln Gln Pro Ser Tyr Tyr Ser Asp Leu Asp Glu Thr Leu Pro
 210 215 220
 Thr Ile Leu Gln Val Phe Ser Asn Ile Leu Gln His Cys Gly Leu Gln
 225 230 235 240
 Gly Asp Gly Ala Asn Thr Thr Pro Gln Lys Leu Glu Glu Arg Gly Arg
 245 250 255
 Leu Thr Pro Ser Asp Met Pro Leu Leu Glu Leu Lys Asp Ile Val Leu
 260 265 270
 Tyr Leu Cys Asp Thr Cys Thr Thr Leu Trp Ala Phe Leu Asp Ile Phe
 275 280 285
 Pro Leu Ala Cys Gln Thr Phe Gln Lys His Asp Phe Cys Tyr Arg Leu
 290 295 300
 Ala Ser Phe Tyr Glu Ala Ala Ile Pro Glu Met Glu Ser Ala Ile Lys
 305 310 315 320

5441

Lys Arg Arg Leu Glu Asp Ser Lys Leu Leu Gly Asp Leu Trp Gln Arg
 325 330 335
 Leu Ser His Ser Arg Lys Lys Leu Met Glu Ile Phe His Ile Ile Leu
 340 345 350
 Asn Gln Ile Cys Leu Leu Pro Ile Leu Glu Ser Ser Cys Asp Asn Ile
 355 360 365
 Gln Gly Phe Ile Glu Glu Phe Leu Gln Ile Phe Ser Ser Leu Leu Gln
 370 375 380
 Glu Lys Arg Phe Leu Arg Asp Tyr Asp Ala Leu Phe Pro Val Ala Glu
 385 390 395 400
 Asp Ile Ser Leu Leu Gln Gln Ala Ser Ser Val Leu Asp Glu Thr Arg
 405 410 415
 Thr Ala Tyr Ile Leu Gln Ala Val Glu Ser Ala Trp Glu Gly Val Asp
 420 425 430
 Arg Arg Lys Ala Thr Asp Ala Lys Asp Pro Ser Val Ile Glu Glu Pro
 435 440 445
 Asn Gly Glu Pro Asn Gly Val Thr Val Thr Ala Glu Ala Val Ser Gln
 450 455 460
 Ala Ser Ser His Pro Glu Asn Ser Glu Glu Glu Glu Cys Met Gly Ala
 465 470 475 480
 Ala Ala Ala Val Gly Pro Ala Met Cys Gly Val Glu Leu Asp Ser Leu
 485 490 495
 Ile Ser Gln Val Lys Asp Leu Leu Pro Asp Leu Gly Glu Gly Phe Ile
 500 505 510
 Leu Ala Cys Leu Glu Tyr Tyr His Tyr Asp Pro Glu Gln Val Ile Asn
 515 520 525
 Asn Ile Leu Glu Glu Arg Leu Ala Pro Thr Leu Ser Gln Leu Asp Arg
 530 535 540
 Asn Leu Asp Arg Glu Met Lys Pro Asp Pro Thr Pro Leu Leu Thr Ser
 545 550 555 560
 Arg His Asn Val Phe Gln Asn Asp Glu Phe Asp Val Phe Ser Arg Asp
 565 570 575
 Ser Val Asp Leu Ser Arg Val His Lys Gly Lys Ser Thr Arg Lys Glu
 580 585 590

5442

Glu Asn Thr Arg Ser Leu Leu Asn Asp Lys Arg Ala Val Ala Ala Gln
 595 600 605
 Arg Gln Arg Tyr Glu Gln Tyr Ser Val Val Val Glu Glu Val Pro Leu
 610 615 620
 Gln Pro Gly Glu Ser Leu Pro Tyr His Ser Val Tyr Tyr Glu Asp Glu
 625 630 635 640
 Tyr Asp Asp Thr Tyr Asp Gly Asn Gln Val Gly Ala Asn Asp Ala Asp
 645 650 655
 Ser Asp Asp Glu Leu Ile Ser Arg Arg Pro Phe Thr Ile Pro Gln Val
 660 665 670
 Leu Arg Thr Lys Val Pro Arg Glu Gly Gln Glu Glu Asp Asp Asp Asp
 675 680 685
 Glu Glu Asp Asp Ala Asp Glu Glu Ala Pro Lys Pro Asp His Phe Val
 690 695 700
 Gln Asp Pro Ala Val Leu Arg Glu Lys Ala Glu Ala Arg Arg Met Ala
 705 710 715 720
 Phe Leu Ala Lys Lys Gly Tyr Arg His Asp Ser Ser Thr Ala Val Ala
 725 730 735
 Gly Ser Pro Arg Gly His Gly Gln Ser Arg Glu Thr Thr Gln Glu Arg
 740 745 750
 Arg Lys Lys Glu Ala Asn Lys Ala Thr Arg Ala Asn His Asn Arg Arg
 755 760 765
 Thr Met Ala Asp Arg Lys Arg Ser Lys Gly Met Ile Pro Ser
 770 775 780

<210> 6222

<211> 345

<212> PRT

<213> Homo sapiens

<400> 6222

Ile Arg His Glu Pro Gly Ser Thr Gln Ser Lys Thr Leu Met Ala Ala
 1 5 10 15
 Val Phe Leu Val Thr Leu Tyr Glu Tyr Ser Pro Leu Phe Tyr Ile Ala
 20 25 30
 Val Val Phe Thr Cys Phe Ile Val Thr Thr Gly Leu Val Leu Gly Trp

5443

35	40	45
Phe Gly Trp Asp Val Pro Val Ile Leu Arg Asn Ser Glu Glu Thr Gln		
50	55	60
Phe Ser Thr Arg Val Phe Lys Lys Gln Met Arg Gln Val Lys Asn Pro		
65	70	75
Phe Gly Leu Glu Ile Thr Asn Pro Ser Ser Ala Ser Ile Thr Thr Gly		
85	90	95
Ile Thr Leu Thr Thr Asp Cys Leu Glu Asp Ser Leu Leu Thr Cys Tyr		
100	105	110
Trp Gly Cys Ser Val Gln Lys Leu Tyr Glu Ala Leu Gln Lys His Val		
115	120	125
Tyr Cys Phe Arg Ile Ser Thr Pro Gln Ala Leu Glu Asp Ala Leu Tyr		
130	135	140
Ser Glu Tyr Leu Tyr Gln Glu Gln Tyr Phe Ile Lys Lys Asp Ser Lys		
145	150	155
Glu Glu Ile Tyr Cys Gln Leu Pro Arg Asp Thr Lys Ile Glu Asp Phe		
165	170	175
Gly Thr Val Pro Arg Ser Arg Tyr Pro Leu Val Ala Leu Leu Thr Leu		
180	185	190
Ala Asp Glu Asp Asp Arg Glu Ile Tyr Asp Ile Ile Ser Met Val Ser		
195	200	205
Val Ile His Ile Pro Asp Arg Thr Tyr Lys Leu Ser Cys Arg Ile Leu		
210	215	220
Tyr Gln Tyr Leu Leu Leu Ala Gln Gly Gln Phe His Asp Leu Lys Gln		
225	230	235
Leu Phe Met Ser Ala Asn Asn Asn Phe Thr Pro Ser Asn Asn Ser Ser		
245	250	255
Ser Glu Glu Lys Asn Thr Asp Arg Ser Leu Leu Glu Lys Val Gly Leu		
260	265	270
Ser Glu Ser Glu Val Glu Pro Ser Glu Glu Asn Ser Lys Asp Cys Val		
275	280	285
Val Cys Gln Asn Gly Thr Val Asn Trp Val Leu Leu Pro Cys Arg His		
290	295	300
Thr Cys Leu Cys Asp Gly Cys Val Lys Tyr Phe Gln Gln Cys Pro Met		

5444

305 310 315 320

Cys Arg Gln Phe Val Gln Glu Ser Phe Ala Leu Cys Ser Gln Lys Glu
325 330 335

Gln Asp Lys Asp Lys Pro Lys Thr Leu
340 345

<210> 6223

<211> 133

<212> PRT

<213> Homo sapiens

<400> 6223

Arg Ser Pro Thr Glu Thr Leu Phe Cys Lys Glu Pro Thr Ser Arg Ala
1 5 10 15

Ala Ala Ala Arg Glu Glu Ser Thr Cys Ser Ser Arg Leu Thr Val Arg
20 25 30

Leu Ser Ser Ala Leu Ala Gly Glu Gly Pro Gln Ala Ser Pro Thr Ala
35 40 45

Thr Glu Arg Ala Ser Leu Gln Gly Asn His Ile Arg His Ala Cys Ala
50 55 60

His Ser Arg Leu Lys Thr Ala Ser Lys Met Ser Met Lys Pro Leu Ser
65 70 75 80

Ser Arg Ala Val Ser Phe Asn Thr Ser Glu Tyr Tyr Leu Trp Leu Lys
85 90 95

Gly Cys Met Cys Ile Gly Val Cys Val Cys Val Cys Val Cys Val Phe
100 105 110

Gly Leu Val Trp Arg Met Lys Lys Gly Phe His Leu Gly Ile Cys Lys
115 120 125

Tyr Ser Met Ala Ser
130

<210> 6224

<211> 109

<212> PRT

<213> Homo sapiens

<220>

5445

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6224

Gly Thr Ala Glu Glu Leu Lys Arg Asn Ala Glu Thr Gly Asn Leu Pro
 1 5 10 15

His Ser Tyr Arg Leu Ile Ser Val Val Ser His Ile Gly Ser Thr Ser
 20 25 30

Ser Ser Gly His Tyr Ile Ser Asp Val Tyr Asp Ile Lys Lys Gln Ala
 35 40 45

Trp Phe Thr Tyr Asn Asp Leu Glu Val Ser Lys Ile Gln Glu Ala Ala
 50 55 60

Val Gln Ser Asp Arg Asp Arg Ser Gly Tyr Ile Phe Phe Tyr Met His
 65 70 75 80

Lys Glu Ile Phe Asp Glu Leu Leu Glu Thr Glu Lys Asn Ser Gln Ser
 85 90 95

Leu Ser Thr Glu Val Gly Lys Thr Thr Arg Gln Xaa Ser
 100 105

<210> 6225

<211> 219

<212> PRT

<213> Homo sapiens

<400> 6225

Pro Gly Ala Ala Trp Ser Arg Pro Asp Leu Arg Gly Cys Cys Thr Gly
 1 5 10 15

Pro Gln Pro Ala Leu Arg Met Leu Val Leu Pro Ser Pro Cys Pro Gln
 20 25 30

Pro Leu Ala Phe Ser Ser Val Glu Thr Met Glu Gly Pro Pro Arg Arg
 35 40 45

Thr Cys Arg Ser Pro Glu Pro Gly Pro Ser Ser Ser Ile Gly Ser Pro
 50 55 60

Gln Ala Ser Ser Pro Pro Arg Pro Asn His Tyr Leu Leu Ile Asp Thr
 65 70 75 80

Gln Gly Val Pro Tyr Thr Val Leu Val Asp Glu Glu Ser Gln Arg Glu
 85 90 95

5446

Pro Gly Ala Ser Gly Ala Pro Gly Gln Lys Lys Cys Tyr Ser Cys Pro
 100 105 110
 Val Cys Ser Arg Val Phe Glu Tyr Met Ser Tyr Leu Gln Arg His Ser
 115 120 125
 Ile Thr His Ser Glu Val Lys Pro Phe Glu Cys Asp Ile Cys Gly Lys
 130 135 140
 Ala Phe Lys Arg Ala Ser His Leu Ala Arg His His Ser Ile His Leu
 145 150 155 160
 Ala Gly Gly Gly Arg Pro His Gly Cys Pro Leu Cys Pro Arg Arg Phe
 165 170 175
 Arg Asp Ala Gly Glu Leu Ala Gln His Ser Arg Val His Ser Gly Glu
 180 185 190
 Arg Pro Phe Gln Cys Pro His Cys Pro Arg Arg Phe Met Glu Gln Asn
 195 200 205
 Thr Leu Gln Lys His Thr Arg Trp Lys His Pro
 210 215

<210> 6226

<211> 163

<212> PRT

<213> Homo sapiens

<400> 6226

Val Tyr Leu Phe Ile Tyr Phe Arg Asn Lys Ser Leu Gly Asp Lys Ser
 1 5 10 15
 Glu Thr Leu Ser Pro Lys Lys Lys Lys Lys Lys Lys Lys Asn Trp Ile
 20 25 30
 Ala Trp Leu Tyr Ser Gly His Ser Met Gln Ala Gln Phe Cys Cys Ser
 35 40 45
 Ala Val Cys Ser Ala Phe Leu His Ile Leu Ala Ser Pro Ser Gly Ala
 50 55 60
 Lys Met Ala Ala Ala Phe Gln Ala Ser His Pro Asp Ser Asp Pro Glu
 65 70 75 80
 Lys Leu Pro Ile Pro Thr Trp Val Ser Leu Cys Arg Asn Glu Lys Pro
 85 90 95

5447

His Pro Ala Ala Glu Thr Ser Pro Ser Ser Val Phe Ser Gly Leu Ile
100 105 110

His Gln Arg Arg Pro Pro Leu Asn Gln Ser Leu Ala Lys Arg Met Gly
115 120 125

Pro Pro Gly Arg Leu Asp Gln Thr Gly Pro Ala Leu Trp Gly Trp Gly
130 135 140

Glu Ala Gln Met Lys Ala Ala Gly Gln Asp Gly Leu Leu Asp Leu Cys
145 150 155 160

Tyr Gln Gln

<210> 6227

<211> 185

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (155)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

5448

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6227

His Arg Arg Lys Gly Lys Asp Arg Val Arg Gln Gly Ala Trp Gly Gly
 1 5 10 15

Ala Met Val Pro Met His Leu Leu Gly Arg Leu Glu Lys Pro Leu Leu
 20 25 30

Leu Leu Cys Cys Ala Ser Phe Leu Leu Gly Leu Ala Leu Leu Gly Ile
 35 40 45

Lys Thr Asp Ile Thr Pro Val Ala Tyr Phe Phe Leu Thr Leu Gly Gly
 50 55 60

Phe Phe Leu Phe Ala Tyr Leu Leu Val Arg Phe Leu Glu Trp Gly Leu
 65 70 75 80

Arg Ser Gln Leu Gln Ser Met Gln Thr Xaa Ser Pro Gly Xaa Ser Gly
 85 90 95

Asn Ala Arg Asp Asn Glu Ala Phe Glu Val Pro Val Tyr Glu Glu Ala
 100 105 110

Val Val Gly Leu Glu Ser Gln Cys Arg Pro Lys Ser Trp Thr Asn His
 115 120 125

Pro Pro Thr Ala Thr Gly Gly Asp Thr Pro Ser Thr Leu Xaa Xaa Glu
 130 135 140

Gln Pro Ser Pro Phe Gln Lys Gly Ser Arg Xaa Lys Pro Lys Leu Gly
 145 150 155 160

Thr Glu Ala Glu Trp Ala Leu Xaa Gly Gly Pro Met Gly Pro Arg Lys
 165 170 175

Gly Xaa Pro Trp Glu Glu Leu Pro Asn
 180 185

<210> 6228

<211> 58

<212> PRT

<213> Homo sapiens

<220>

5449

<221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (52)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 6228
 Val Leu Leu Ser Gln Leu Gln Arg Ala Gly Ala Arg Xaa Pro Ser Gly
 1 5 10 15

 Leu Pro Gly Ala Pro Gly Thr Ala Leu His His Pro Pro Arg Glu Gly
 20 25 30

 Asp Ser Glu Ala Gln Xaa Gly Pro Xaa Pro Thr Glu Pro Thr Pro Pro
 35 40 45

 Tyr Ser Ser Xaa Leu Lys Asn Ile Xaa Gly
 50 55

 <210> 6229
 <211> 231
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE

5450

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (179)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (216)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (218)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6229

Met	Ser	Tyr	Cys	Asp	Glu	Ser	Arg	Leu	Ser	Asn	Leu	Leu	Arg	Arg	Ile
1				5				10					15		

Thr	Arg	Glu	Xaa	Asp	Arg	Asp	Xaa	Arg	Leu	Xaa	Thr	Val	Lys	Gln	Leu
		20						25					30		

Lys	Glu	Phe	Ile	Gln	Gln	Pro	Glu	Asn	Lys	Leu	Val	Leu	Val	Lys	Gln
		35					40					45			

Leu	Asp	Ile	Leu	Ala	Ala	Xaa	His	Asp	Val	Leu	Asn	Glu	Ser	Ser	Lys
	50					55					60				

Leu	Leu	Gln	Glu	Leu	Arg	Gln	Glu	Gly	Ala	Cys	Cys	Leu	Gly	Leu	Leu
65					70					75					80

Cys	Ala	Ser	Leu	Ser	Tyr	Glu	Ala	Glu	Lys	Ile	Phe	Lys	Trp	Ile	Phe
				85					90					95	

5451

Ser Lys Phe Ser Ser Ser Ala Lys Asp Glu Val Lys Leu Leu Tyr Leu
 100 105 110
 Cys Ala Thr Tyr Lys Ala Leu Glu Thr Val Gly Glu Lys Lys Ala Phe
 115 120 125
 Ser Ser Val Met Gln Leu Val Met Thr Ser Leu Gln Ser Ile Leu Glu
 130 135 140
 Asn Val Asp Thr Pro Glu Leu Leu Cys Lys Cys Val Lys Cys Ile Leu
 145 150 155 160
 Leu Val Ala Arg Cys Tyr Pro His Ile Phe Ser Xaa Asn Phe Arg Asp
 165 170 175
 Thr Val Xaa Ile Leu Val Gly Trp His Arg Asp His Thr Gln Lys Pro
 180 185 190
 Ser Leu Thr Gln Gln Val Ser Gly Trp Leu Gln Ser Leu Glu Pro Phe
 195 200 205
 Trp Val Ala Asp Leu Ala Phe Xaa Thr Xaa Leu Leu Gly Ser Val Ser
 210 215 220
 Arg Arg His Gly Ser Ile Cys
 225 230

<210> 6230
 <211> 305
 <212> PRT
 <213> Homo sapiens

<400> 6230
 Asp Trp Val Ser Val Gly Gly Ala Trp Val Trp Arg Ala Gly Gln Gly
 1 5 10 15
 Leu Leu Gly Leu Gly Asp Gly Asp Gly Ala Gly Ser Gln Arg Arg Gln
 20 25 30
 Gly Leu Arg Ala Glu Glu Arg Thr Trp Ser Pro Gly Ser Arg Val Gly
 35 40 45
 Asp Ala Ala Arg His Arg Cys Phe Leu Lys Val Ser Arg Leu Glu Ala
 50 55 60
 Gln Leu Leu Leu Glu Arg Tyr Pro Glu Cys Gly Asn Leu Leu Leu Arg
 65 70 75 80

5452

Pro Ser Gly Asp Gly Ala Asp Gly Val Ser Val Thr Thr Arg Gln Met
 85 90 95
 His Asn Gly Thr His Val Val Arg His Tyr Lys Val Lys Arg Glu Gly
 100 105 110
 Pro Lys Tyr Val Ile Asp Val Glu Gln Pro Phe Ser Cys Thr Ser Leu
 115 120 125
 Asp Ala Val Val Asn Tyr Phe Val Ser His Thr Lys Lys Ala Leu Val
 130 135 140
 Pro Phe Leu Leu Asp Glu Asp Tyr Glu Lys Val Leu Gly Tyr Val Glu
 145 150 155 160
 Ala Asp Lys Glu Asn Gly Glu Asn Val Trp Val Ala Pro Ser Ala Pro
 165 170 175
 Gly Pro Gly Pro Ala Pro Cys Thr Gly Gly Pro Lys Pro Leu Ser Pro
 180 185 190
 Ala Ser Ser Gln Asp Lys Leu Pro Pro Leu Pro Pro Leu Pro Asn Gln
 195 200 205
 Glu Glu Asn Tyr Val Thr Pro Ile Gly Asp Gly Pro Ala Val Asp Tyr
 210 215 220
 Glu Asn Gln Asp Val Ala Ser Ser Ser Trp Pro Val Ile Leu Lys Pro
 225 230 235 240
 Lys Lys Leu Pro Lys Pro Pro Ala Lys Leu Pro Lys Pro Pro Val Gly
 245 250 255
 Pro Lys Pro Glu Pro Lys Val Phe Asn Gly Gly Leu Gly Arg Lys Leu
 260 265 270
 Pro Val Ser Ser Ala Gln Pro Leu Phe Pro Thr Ala Gly Leu Ala Asp
 275 280 285
 Met Thr Ala Glu Leu Gln Lys Lys Leu Glu Lys Arg Arg Ala Leu Glu
 290 295 300

His

305

<210> 6231

<211> 210

<212> PRT

<213> Homo sapiens

5453

<400> 6231

```

Thr Met Ala Ser Met Gly Leu Gln Val Met Gly Ile Ala Leu Ala Val
  1             5             10             15

Leu Gly Trp Leu Ala Val Met Leu Cys Cys Ala Leu Pro Met Trp Arg
          20             25             30

Val Thr Ala Phe Ile Gly Ser Asn Ile Val Thr Ser Gln Thr Ile Trp
      35             40             45

Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr Gly Gln Met Gln
      50             55             60

Cys Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp Leu Gln Ala
      65             70             75             80

Ala Arg Ala Leu Val Ile Ile Ser Ile Ile Val Ala Ala Leu Gly Val
          85             90             95

Leu Leu Ser Val Val Gly Gly Lys Cys Thr Asn Cys Leu Glu Asp Glu
      100             105             110

Ser Ala Lys Ala Lys Thr Met Ile Val Ala Gly Val Val Phe Leu Leu
      115             120             125

Ala Gly Leu Met Val Ile Val Pro Val Ser Trp Thr Ala His Asn Ile
      130             135             140

Ile Gln Asp Phe Tyr Asn Pro Leu Val Ala Ser Gly Gln Lys Arg Glu
      145             150             155             160

Met Gly Ala Ser Leu Tyr Val Gly Trp Ala Ala Ser Gly Leu Leu Leu
          165             170             175

Leu Gly Gly Gly Leu Leu Cys Cys Asn Cys Pro Pro Arg Thr Asp Lys
      180             185             190

Pro Tyr Ser Ala Lys Tyr Ser Ala Ala Arg Ser Ala Ala Ala Ser Asn
      195             200             205

Tyr Val
      210

```

<210> 6232

<211> 88

<212> PRT

<213> Homo sapiens

5454

<400> 6232

```

Ser Phe Asn Pro Trp Pro Pro Pro Arg Asn Ser Asp Phe Ser Arg Glu
 1             5             10             15

Glu Glu Ala Ala Gly Ala Val Gly Leu Gly Leu His Arg Ala Gly Arg
          20             25             30

Ala Val Gly Lys Ala Gly Glu Leu Leu Cys Cys Trp Ala Ser Leu Trp
          35             40             45

Pro Ser Leu Pro Thr Leu Arg Cys Met Lys Cys Met Tyr Arg Pro Glu
          50             55             60

Met Phe Ile Gln Pro Ile Lys Met Glu Phe Pro Tyr Leu Ser Val Lys
 65             70             75             80

Lys Lys Lys Lys Lys Lys Leu Glu
          85

```

<210> 6233

<211> 33

<212> PRT

<213> Homo sapiens

<400> 6233

```

Asp Asn Lys Leu Ile Leu Asn Ala Ile Tyr Val Leu Ser Leu Leu Trp
 1             5             10             15

His Leu Phe Arg Ser Cys Ser Asn His Cys Ser Arg Ala Leu Gln Ile
          20             25             30

Lys

```

<210> 6234

<211> 63

<212> PRT

<213> Homo sapiens

<400> 6234

```

Leu Leu Leu Leu Leu Gly Met Ala Ala Arg Ile Val Glu Arg Arg Gly
 1             5             10             15

Leu Glu Ser Trp Ser Asn Pro Gly Leu Lys Ser Gly Leu Val Ile Phe
          20             25             30

Gln Leu Leu Ser Trp Val Ser Phe Ala Asn Phe Leu Ser Phe Ile Ser

```

45

Ser Gly

5456

<210> 6236

<211> 175

<212> PRT

<213> Homo sapiens

<400> 6236

Met Asp Val Lys Thr Leu Val Gln Gln Leu Tyr Thr Thr Leu Cys Ile
 1 5 10 15

Glu Gln His Gln Leu Asn Lys Glu Arg Glu Leu Ile Glu Arg Leu Glu
 20 25 30

Asp Leu Lys Glu Gln Leu Ala Pro Leu Glu Lys Val Arg Ile Glu Ile
 35 40 45

Ser Arg Lys Ala Glu Lys Arg Thr Thr Leu Val Leu Trp Gly Gly Leu
 50 55 60

Ala Tyr Met Ala Thr Gln Phe Gly Ile Leu Ala Arg Leu Thr Trp Trp
 65 70 75 80

Glu Tyr Ser Trp Asp Ile Met Glu Pro Val Thr Tyr Phe Ile Thr Tyr
 85 90 95

Gly Ser Ala Met Ala Met Tyr Ala Tyr Phe Val Met Thr Arg Gln Glu
 100 105 110

Tyr Val Tyr Pro Glu Ala Arg Asp Arg Gln Tyr Leu Leu Phe Phe His
 115 120 125

Lys Gly Ala Lys Lys Ser Arg Phe Asp Leu Glu Lys Tyr Asn Gln Leu
 130 135 140

Lys Asp Ala Ile Ala Gln Ala Glu Met Asp Leu Lys Arg Leu Arg Asp
 145 150 155 160

Pro Leu Gln Val His Leu Pro Leu Arg Gln Ile Gly Glu Lys Asp
 165 170 175

<210> 6237

<211> 461

<212> PRT

<213> Homo sapiens

<400> 6237

Thr Arg Pro Lys Leu Cys Ala Gly Ile Met Ile Thr Ala Ser His Asn
 1 5 10 15

Pro Lys Gln Asp Asn Gly Tyr Lys Val Tyr Trp Asp Asn Gly Ala Gln

20																25																30															
Ile	Ile	Ser	Pro	His	Asp	Lys	Gly	Ile	Ser	Gln	Ala	Ile	Glu	Glu	Asn																																
35								40								45																															
Leu	Glu	Pro	Trp	Pro	Gln	Ala	Trp	Asp	Asp	Ser	Leu	Ile	Asp	Ser	Ser																																
50								55								60																															
Pro	Leu	Leu	His	Asn	Pro	Ser	Ala	Ser	Ile	Asn	Asn	Asp	Tyr	Phe	Glu																																
65								70								75								80																							
Asp	Leu	Lys	Lys	Tyr	Cys	Phe	His	Arg	Ser	Val	Asn	Arg	Glu	Thr	Lys																																
								85								90								95																							
Val	Lys	Phe	Val	His	Thr	Ser	Val	His	Gly	Val	Gly	His	Ser	Phe	Val																																
								100								105								110																							
Gln	Ser	Ala	Phe	Lys	Ala	Phe	Asp	Leu	Val	Pro	Pro	Glu	Ala	Val	Pro																																
								115								120								125																							
Glu	Gln	Lys	Asp	Pro	Asp	Pro	Glu	Phe	Pro	Thr	Val	Lys	Tyr	Pro	Asn																																
130								135								140																															
Pro	Glu	Glu	Gly	Lys	Gly	Val	Leu	Thr	Leu	Ser	Phe	Ala	Leu	Ala	Asp																																
145								150								155								160																							
Lys	Thr	Lys	Ala	Arg	Ile	Val	Leu	Ala	Asn	Asp	Pro	Asp	Ala	Asp	Arg																																
								165								170								175																							
Leu	Ala	Val	Ala	Glu	Lys	Gln	Asp	Ser	Gly	Glu	Trp	Arg	Val	Phe	Ser																																
								180								185								190																							
Gly	Asn	Glu	Leu	Gly	Ala	Leu	Leu	Gly	Trp	Trp	Leu	Phe	Thr	Ser	Trp																																
195								200								205																															
Lys	Glu	Lys	Asn	Gln	Asp	Arg	Ser	Ala	Leu	Lys	Asp	Thr	Tyr	Met	Leu																																
210								215								220																															
Ser	Ser	Thr	Val	Ser	Ser	Lys	Ile	Leu	Arg	Ala	Ile	Ala	Leu	Lys	Glu																																
225								230								235								240																							
Gly	Phe	His	Phe	Glu	Glu	Thr	Leu	Thr	Gly	Phe	Lys	Trp	Met	Gly	Asn																																
								245								250								255																							
Arg	Ala	Lys	Gln	Leu	Ile	Asp	Gln	Gly	Lys	Thr	Val	Leu	Phe	Ala	Phe																																
								260								265								270																							
Glu	Glu	Ala	Ile	Gly	Tyr	Met	Cys	Cys	Pro	Phe	Val	Leu	Asp	Lys	Asp																																
275								280								285																															
Gly	Val	Ser	Ala	Ala	Val	Ile	Ser	Ala	Glu	Leu	Ala	Ser	Phe	Leu	Ala																																

5458

290 295 300
 Thr Lys Asn Leu Ser Leu Ser Gln Gln Leu Lys Ala Ile Tyr Val Glu
 305 310 315 320
 Tyr Gly Tyr His Ile Thr Lys Ala Ser Tyr Phe Ile Cys His Asp Gln
 325 330 335
 Glu Thr Ile Lys Lys Leu Phe Glu Asn Leu Arg Asn Tyr Asp Gly Lys
 340 345 350
 Asn Asn Tyr Pro Lys Ala Cys Gly Lys Phe Glu Ile Ser Ala Ile Arg
 355 360 365
 Asp Leu Thr Thr Gly Tyr Asp Asp Ser Gln Pro Asp Lys Lys Ala Val
 370 375 380
 Leu Pro Thr Ser Lys Ser Ser Gln Met Ile Thr Phe Thr Phe Ala Asn
 385 390 395 400
 Gly Gly Val Ala Thr Met Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys
 405 410 415
 Tyr Tyr Ala Glu Leu Cys Ala Pro Pro Gly Asn Ser Asp Pro Glu Gln
 420 425 430
 Leu Lys Lys Glu Leu Asn Glu Leu Val Ser Ala Ile Glu Glu His Phe
 435 440 445
 Phe Gln Pro Gln Lys Tyr Asn Leu Gln Pro Lys Ala Asp
 450 455 460

 <210> 6238
 <211> 925
 <212> PRT
 <213> Homo sapiens

 <400> 6238
 Ala Arg Gly Glu Ile Thr Gly Arg Cys Thr Ala Met Gly Pro Phe Lys
 1 5 10 15
 Ser Ser Val Phe Ile Leu Ile Leu His Leu Leu Glu Gly Ala Leu Ser
 20 25 30
 Asn Ser Leu Ile Gln Leu Asn Asn Asn Gly Tyr Glu Gly Ile Val Val
 35 40 45
 Ala Ile Asp Pro Asn Val Pro Glu Asp Glu Thr Leu Ile Gln Gln Ile
 50 55 60

5459

Lys Asp Met Val Thr Gln Ala Ser Leu Tyr Leu Phe Glu Ala Thr Gly
 65 70 75 80

Lys Arg Phe Tyr Phe Lys Asn Val Ala Ile Leu Ile Pro Glu Thr Trp
 85 90 95

Lys Thr Lys Ala Asp Tyr Val Arg Pro Lys Leu Glu Thr Tyr Lys Asn
 100 105 110

Ala Asp Val Leu Val Ala Glu Ser Thr Pro Pro Gly Asn Asp Glu Pro
 115 120 125

Tyr Thr Glu Gln Met Gly Asn Cys Gly Glu Lys Gly Glu Arg Ile His
 130 135 140

Leu Thr Pro Asp Phe Ile Ala Gly Lys Lys Leu Ala Glu Tyr Gly Pro
 145 150 155 160

Gln Gly Arg Ala Phe Val His Glu Trp Ala His Leu Arg Trp Gly Val
 165 170 175

Phe Asp Glu Tyr Asn Asn Asp Glu Lys Phe Tyr Leu Ser Asn Gly Arg
 180 185 190

Ile Gln Ala Val Arg Cys Ser Ala Gly Ile Thr Gly Thr Asn Val Val
 195 200 205

Lys Lys Cys Gln Gly Gly Ser Cys Tyr Thr Lys Arg Cys Thr Phe Asn
 210 215 220

Lys Val Thr Gly Leu Tyr Glu Lys Gly Cys Glu Phe Val Leu Gln Ser
 225 230 235 240

Arg Gln Thr Glu Lys Ala Ser Ile Met Phe Ala Gln His Val Asp Ser
 245 250 255

Ile Val Glu Phe Cys Thr Glu Gln Asn His Asn Lys Glu Ala Pro Asn
 260 265 270

Lys Gln Asn Gln Lys Cys Asn Leu Arg Ser Thr Trp Glu Val Ile Arg
 275 280 285

Asp Ser Glu Asp Phe Lys Lys Thr Thr Pro Met Thr Thr Gln Pro Pro
 290 295 300

Asn Pro Thr Phe Ser Leu Leu Gln Ile Gly Gln Arg Ile Val Cys Leu
 305 310 315 320

Val Leu Asp Lys Ser Gly Ser Met Ala Thr Gly Asn Arg Leu Asn Arg
 325 330 335

5460

Leu Asn Gln Ala Gly Gln Leu Phe Leu Leu Gln Thr Val Glu Leu Gly
 340 345 350
 Ser Trp Val Gly Met Val Thr Phe Asp Ser Ala Ala His Val Gln Ser
 355 360 365
 Glu Leu Ile Gln Ile Asn Ser Gly Ser Asp Arg Asp Thr Leu Ala Lys
 370 375 380
 Arg Leu Pro Ala Ala Ala Ser Gly Gly Thr Ser Ile Cys Ser Gly Leu
 385 390 395 400
 Arg Ser Ala Phe Thr Val Ile Arg Lys Lys Tyr Pro Thr Asp Gly Ser
 405 410 415
 Glu Ile Val Leu Leu Thr Asp Gly Glu Asp Asn Thr Ile Ser Gly Cys
 420 425 430
 Phe Asn Glu Val Lys Gln Ser Gly Ala Ile Ile His Thr Val Ala Leu
 435 440 445
 Gly Pro Ser Ala Ala Gln Glu Leu Glu Glu Leu Ser Lys Met Thr Gly
 450 455 460
 Gly Leu Gln Thr Tyr Ala Ser Asp Gln Val Gln Asn Asn Gly Leu Ile
 465 470 475 480
 Asp Ala Phe Gly Ala Leu Ser Ser Gly Asn Gly Ala Val Ser Gln Arg
 485 490 495
 Ser Ile Gln Leu Glu Ser Lys Gly Leu Thr Leu Gln Asn Ser Gln Trp
 500 505 510
 Met Asn Gly Thr Val Ile Val Asp Ser Thr Val Gly Lys Asp Thr Leu
 515 520 525
 Phe Leu Ile Thr Trp Thr Thr Gln Pro Pro Gln Ile Leu Leu Trp Asp
 530 535 540
 Pro Ser Gly Gln Lys Gln Gly Gly Phe Val Val Asp Lys Asn Thr Lys
 545 550 555 560
 Met Ala Tyr Leu Gln Ile Pro Gly Ile Ala Lys Val Gly Thr Trp Lys
 565 570 575
 Tyr Ser Leu Gln Ala Ser Ser Gln Thr Leu Thr Leu Thr Val Thr Ser
 580 585 590
 Arg Ala Ser Asn Ala Thr Leu Pro Pro Ile Thr Val Thr Ser Lys Thr
 595 600 605

5461

Asn Lys Asp Thr Ser Lys Phe Pro Ser Pro Leu Val Val Tyr Ala Asn
 610 615 620
 Ile Arg Gln Gly Ala Ser Pro Ile Leu Arg Ala Ser Val Thr Ala Leu
 625 630 635 640
 Ile Glu Ser Val Asn Gly Lys Thr Val Thr Leu Glu Leu Leu Asp Asn
 645 650 655
 Gly Ala Gly Ala Asp Ala Thr Lys Asp Asp Gly Val Tyr Ser Arg Tyr
 660 665 670
 Phe Thr Thr Tyr Asp Thr Asn Gly Arg Tyr Ser Val Lys Val Arg Ala
 675 680 685
 Leu Gly Gly Val Asn Ala Ala Arg Arg Arg Val Ile Pro Gln Gln Ser
 690 695 700
 Gly Ala Leu Tyr Ile Pro Gly Trp Ile Glu Asn Asp Glu Ile Gln Trp
 705 710 715 720
 Asn Pro Pro Arg Pro Glu Ile Asn Lys Asp Asp Val Gln His Lys Gln
 725 730 735
 Val Cys Phe Ser Arg Thr Ser Ser Gly Gly Ser Phe Val Ala Ser Asp
 740 745 750
 Val Pro Asn Ala Pro Ile Pro Asp Leu Phe Pro Pro Gly Gln Ile Thr
 755 760 765
 Asp Leu Lys Ala Glu Ile His Gly Gly Ser Leu Ile Asn Leu Thr Trp
 770 775 780
 Thr Ala Pro Gly Asp Asp Tyr Asp His Gly Thr Ala His Lys Tyr Ile
 785 790 795 800
 Ile Arg Ile Ser Thr Ser Ile Leu Asp Leu Arg Asp Lys Phe Asn Glu
 805 810 815
 Ser Leu Gln Val Asn Thr Thr Ala Leu Ile Pro Lys Glu Ala Asn Ser
 820 825 830
 Glu Glu Val Phe Leu Phe Lys Pro Glu Asn Ile Thr Phe Glu Asn Gly
 835 840 845
 Thr Asp Leu Phe Ile Ala Ile Gln Ala Val Asp Lys Val Asp Leu Lys
 850 855 860
 Ser Glu Ile Ser Asn Ile Ala Arg Val Ser Leu Phe Ile Pro Pro Gln
 865 870 875 880

5462

Thr Pro Pro Glu Thr Pro Ser Pro Asp Glu Thr Ser Ala Pro Cys Pro
 885 890 895

Asn Ile His Ile Asn Ser Thr Ile Pro Gly Ile His Ile Leu Lys Ile
 900 905 910

Met Trp Lys Trp Ile Gly Glu Leu Gln Leu Ser Ile Ala
 915 920 925

<210> 6239

<211> 311

<212> PRT

<213> Homo sapiens

<400> 6239

Val Leu Lys Phe Leu Leu Leu Gln Thr Met Asp Glu Gln Ser Gln Gly
 1 5 10 15

Met Gln Gly Pro Pro Val Pro Gln Phe Gln Pro Gln Lys Ala Leu Arg
 20 25 30

Pro Asp Met Gly Tyr Asn Thr Leu Ala Asn Phe Arg Ile Glu Lys Lys
 35 40 45

Ile Gly Arg Gly Gln Phe Ser Glu Val Tyr Arg Ala Ala Cys Leu Leu
 50 55 60

Asp Gly Val Pro Val Ala Leu Lys Lys Val Gln Ile Phe Asp Leu Met
 65 70 75 80

Asp Ala Lys Ala Arg Ala Asp Cys Ile Lys Glu Ile Asp Leu Leu Lys
 85 90 95

Gln Leu Asn His Pro Asn Val Ile Lys Tyr Tyr Ala Ser Phe Ile Glu
 100 105 110

Asp Asn Glu Leu Asn Ile Val Leu Glu Leu Ala Asp Ala Gly Asp Leu
 115 120 125

Ser Arg Met Ile Lys His Phe Lys Lys Gln Lys Arg Leu Ile Pro Glu
 130 135 140

Arg Thr Val Trp Lys Tyr Phe Val Gln Leu Cys Ser Ala Leu Glu His
 145 150 155 160

Met His Ser Arg Arg Val Met His Arg Asp Ile Lys Pro Ala Asn Val
 165 170 175

5463

Phe Ile Thr Ala Thr Gly Val Val Lys Leu Gly Asp Leu Gly Leu Gly
 180 185 190
 Arg Phe Phe Ser Ser Lys Thr Thr Ala Ala His Ser Leu Val Gly Thr
 195 200 205
 Pro Tyr Tyr Met Ser Pro Glu Arg Ile His Glu Asn Gly Tyr Asn Phe
 210 215 220
 Lys Ser Asp Ile Trp Ser Leu Gly Cys Leu Leu Tyr Glu Met Ala Ala
 225 230 235 240
 Leu Gln Ser Pro Phe Tyr Gly Asp Lys Met Asn Leu Tyr Ser Leu Cys
 245 250 255
 Lys Lys Ile Glu Gln Cys Asp Tyr Pro Pro Leu Pro Ser Asp His Tyr
 260 265 270
 Ser Glu Glu Leu Arg Gln Leu Val Asn Met Cys Ile Asn Pro Asp Pro
 275 280 285
 Glu Lys Arg Pro Asp Val Thr Tyr Val Tyr Asp Val Ala Lys Arg Met
 290 295 300
 His Ala Cys Thr Ala Ser Ser
 305 310

<210> 6240

<211> 258

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (220)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (248)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5464

<222> (254)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (258)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6240

Gly	Gly	His	Leu	Leu	Pro	Gly	Pro	Ala	Ala	Val	His	Cys	Ala	Ser	Xaa
1				5					10					15	

Val	Leu	Leu	His	Pro	Pro	Pro	Ala	Asp	Leu	Cys	Trp	Tyr	Cys	Arg	Asp
			20					25						30	

Trp	Phe	Leu	Lys	Gly	Asn	Leu	Leu	Ile	Ile	Ile	Val	Ser	Val	Leu	Ile
		35					40					45			

Ile	Leu	Pro	Leu	Ala	Leu	Met	Lys	His	Leu	Gly	Tyr	Leu	Gly	Tyr	Thr
	50					55					60				

Ser	Gly	Leu	Ser	Leu	Thr	Cys	Met	Leu	Phe	Phe	Leu	Val	Ser	Val	Ile
65					70					75					80

Tyr	Lys	Lys	Phe	Gln	Leu	Gly	Cys	Ala	Ile	Gly	His	Asn	Glu	Thr	Ala
				85					90					95	

Met	Glu	Ser	Glu	Ala	Leu	Val	Gly	Leu	Pro	Ser	Gln	Gly	Leu	Asn	Ser
			100					105					110		

Ser	Cys	Glu	Ala	Gln	Met	Phe	Thr	Val	Asp	Ser	Gln	Met	Ser	Tyr	Thr
		115					120					125			

Val	Pro	Ile	Met	Ala	Phe	Ala	Phe	Val	Cys	His	Pro	Glu	Val	Leu	Pro
	130					135					140				

Ile	Tyr	Thr	Glu	Leu	Cys	Arg	Ser	Thr	Thr	Ser	Thr	Pro	Gln	Ala	Leu
145					150					155					160

Gln	Ala	Gln	Asp	Ala	Gly	Arg	Gly	Gln	Arg	Val	His	Trp	Gly	His	Val
			165					170						175	

Leu	His	Val	Trp	Ala	His	Ser	Asn	Leu	Trp	Ile	Pro	His	Leu	Leu	Gln
		180						185					190		

Gln	Cys	Glu	Gly	Gly	Asp	Ala	Ala	His	Val	Gln	Pro	Glu	Gly	Pro	Ala
		195					200					205			

His	Pro	Leu	Cys	Ala	Pro	Gly	Arg	Ala	Ala	Ser	Xaa	Val	Thr	Pro	His
		210				215					220				

5465

Cys Ala Ser Arg Ala Gly Ser Tyr Pro Pro Gly Pro Gly Ser Asn Cys
 225 230 235 240

Phe Ser Gln Ala Arg Ala Phe Xaa Leu Ala Thr Thr Leu Xaa Ala Ile
 245 250 255

Ser Xaa

<210> 6241

<211> 149

<212> PRT

<213> Homo sapiens

<400> 6241

Val His Leu Leu Leu Phe Ser Arg Pro Tyr Asp Gly Lys Trp Ser Lys
 1 5 10 15

Thr Met Val Gly Phe Gly Pro Glu Asp Asp His Phe Val Ala Glu Leu
 20 25 30

Thr Tyr Asn Tyr Gly Val Gly Asp Tyr Lys Leu Gly Asn Asp Phe Met
 35 40 45

Gly Ile Thr Leu Ala Ser Ser Gln Ala Val Ser Asn Ala Arg Lys Leu
 50 55 60

Glu Trp Pro Leu Thr Glu Val Ala Glu Gly Val Phe Glu Thr Glu Ala
 65 70 75 80

Pro Gly Gly Tyr Lys Phe Tyr Leu Gln Asn Arg Ser Leu Pro Gln Ser
 85 90 95

Asp Pro Val Leu Lys Val Thr Leu Ala Val Ser Asp Leu Gln Lys Ser
 100 105 110

Leu Asn Tyr Trp Cys Asn Leu Leu Gly Met Lys Ile Tyr Glu Lys Asp
 115 120 125

Glu Glu Lys Gln Arg Ala Leu Leu Gly Tyr Ala Asp Asn Gln Val Ser
 130 135 140

Asn Leu Gly Glu Glu
 145

<210> 6242

<211> 126

5466

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6242

Leu Ser Leu Arg Thr Arg Glu Thr Pro Ala Pro Pro Arg Cys Glu Ala
 1 5 10 15

Ala Ser Gln Gly Arg Val Gly Trp Arg Ala Asp Ala Ala Ala Glu Glu
 20 25 30

Ala Val Arg Ser Val Trp Asn Arg Thr Arg Asp Arg Gly Thr Met Ala
 35 40 45

Pro Gln Asn Leu Ser Thr Phe Cys Leu Leu Leu Tyr Leu Ile Gly
 50 55 60

Ala Val Ile Ala Gly Arg Asp Phe Tyr Lys Ile Leu Gly Val Pro Arg
 65 70 75 80

Ser Ala Ser Ile Lys Asp Ile Lys Lys Ala Tyr Arg Lys Leu Ala Leu
 85 90 95

Gln Leu His Pro Asp Arg Asn Pro Asp Asp Pro Gln Ala Gln Glu Lys
 100 105 110

Phe Gln Asp Leu Gly Ala Ala Tyr Glu Val Leu Val Arg Xaa
 115 120 125

<210> 6243

<211> 384

<212> PRT

<213> Homo sapiens

<400> 6243

Gly Ile Leu Ala His Ser Leu Ser Pro Thr Leu Leu Ser His Arg Cys
 1 5 10 15

Gln Glu Glu Cys Pro Phe Gly Ser Phe Gly Phe Gln Cys Ser Gln Arg
 20 25 30

Cys Asp Cys His Asn Gly Gly Gln Cys Ser Pro Thr Thr Gly Ala Cys
 35 40 45

Glu Cys Glu Pro Gly Tyr Lys Gly Pro Arg Cys Gln Glu Arg Leu Cys

5467

50		55		60	
Pro Glu Gly Leu His Gly Pro Gly Cys Thr Leu Pro Cys Pro Cys Asp					
65		70		75	80
Ala Asp Asn Thr Ile Ser Cys His Pro Val Thr Gly Ala Cys Thr Cys					
	85		90		95
Gln Pro Gly Trp Ser Gly His His Cys Asn Glu Ser Cys Pro Val Gly					
	100		105		110
Tyr Tyr Gly Asp Gly Cys Gln Leu Pro Cys Thr Cys Gln Asn Gly Ala					
	115		120		125
Asp Cys His Ser Ile Thr Gly Gly Cys Thr Cys Ala Pro Gly Phe Met					
	130		135		140
Gly Glu Val Cys Ala Val Ser Cys Ala Ala Gly Thr Tyr Gly Pro Asn					
145		150		155	160
Cys Ser Ser Ile Cys Ser Cys Asn Asn Gly Gly Thr Cys Ser Pro Val					
	165		170		175
Asp Gly Ser Cys Thr Cys Lys Glu Gly Trp Gln Gly Leu Asp Cys Thr					
	180		185		190
Leu Pro Cys Pro Ser Gly Thr Trp Gly Leu Asn Cys Asn Glu Ser Cys					
	195		200		205
Thr Cys Ala Asn Gly Ala Ala Cys Ser Pro Ile Asp Gly Ser Cys Ser					
	210		215		220
Cys Thr Pro Gly Trp Leu Gly Asp Thr Cys Glu Leu Pro Cys Pro Asp					
225		230		235	240
Gly Thr Phe Gly Leu Asn Cys Ser Glu His Cys Asp Cys Ser His Ala					
	245		250		255
Asp Gly Cys Asp Pro Val Thr Gly His Cys Cys Cys Leu Ala Gly Trp					
	260		265		270
Thr Gly Ile Arg Cys Asp Ser Thr Cys Pro Pro Gly Arg Trp Gly Pro					
	275		280		285
Asn Cys Ser Val Ser Cys Ser Cys Glu Asn Gly Gly Ser Cys Ser Pro					
	290		295		300
Glu Asp Gly Ser Cys Glu Cys Ala Pro Gly Phe Arg Gly Pro Leu Cys					
305		310		315	320
Gln Arg Ile Cys Pro Pro Gly Phe Tyr Gly His Gly Cys Ala Gln Pro					

325

335

Ser Lys Trp Gln Lys Gln Ile Leu Ile Pro Thr Cys Met Leu Lys Gly
370 375 380

<213> Homo sapiens

Pro Leu Leu Ile His Gln His Glu Glu Ser His Leu Phe Gly Arg
145 150 155

5469

<210> 6245

<211> 27

<212> PRT

<213> Homo sapiens

<400> 6245

Arg	Gln	Pro	Lys	Cys	Pro	Ser	Thr	Asp	Glu	Trp	Ile	Gln	Lys	Met	Trp
1				5					10					15	

Tyr	Val	Tyr	Thr	Met	Gly	Thr	Ser	Gln	Pro	Gly
			20					25		

<210> 6246

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6246

Asp	Leu	Met	Ile	Leu	Asn	Thr	Gly	Val	Ser	Pro	Ala	Gln	Ala	Leu	Ser
1				5					10					15	

Leu	Pro	Ala	Ala	Ser	His	Val	Arg	His	Asp	Leu	Leu	Leu	Leu	Ala	Phe
				20				25						30	

His	His	Asp	Cys	Glu	Ala	Phe	Pro	Ala	Thr	Trp	Asn	Cys	Lys	Ser	Ile
		35						40				45			

Lys	Pro	Leu	Phe	Phe	Tyr	Lys	Trp	Pro	Ser	Leu	Lys	Tyr	Xaa	Phe	Ile
		50					55					60			

Asn	Ser	Val	Lys	Trp	Thr	Ser	Thr	Val	Asn	Trp	Tyr	Gln
		65				70					75	

<210> 6247

<211> 251

<212> PRT

<213> Homo sapiens

<220>

5470

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6247

Xaa Leu Val Leu Xaa Ser Tyr Leu Gly Asp Thr Ile Glu Gly Thr Pro
1 5 10 15

Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Glu Gly
20 25 30

Ser Arg Gly Cys Gly Lys Gln His Ile Ser Asp Ser Ser Trp Leu Leu
35 40 45

Asp Ser Ala Gly Arg Glu Gly Arg Leu Val Ala Met Ser Gln Gln Lys
50 55 60

Cys Ile Val Ile Phe Ala Leu Val Cys Cys Phe Ala Ile Leu Val Ala
65 70 75 80

Leu Ile Phe Ser Ala Val Asp Ile Met Gly Glu Asp Glu Asp Gly Leu
85 90 95

Ser Glu Lys Asn Cys Gln Asn Lys Cys Arg Ile Ala Leu Val Glu Asn
100 105 110

Ile Pro Glu Gly Leu Asn Tyr Ser Glu Asn Ala Pro Phe His Leu Ser
115 120 125

Leu Phe Gln Gly Trp Met Asn Leu Leu Asn Met Ala Lys Lys Ser Val
130 135 140

Asp Ile Val Ser Ser His Trp Asp Leu Asn His Thr His Pro Ser Ala
145 150 155 160

Cys Gln Gly Gln Arg Leu Phe Glu Lys Leu Leu Gln Leu Thr Ser Gln
165 170 175

Asn Ile Glu Ile Lys Leu Val Ser Asp Val Thr Ala Asp Ser Lys Val
180 185 190

Leu Glu Ala Leu Lys Leu Lys Gly Ala Glu Val Thr Tyr Met Asn Met
195 200 205

Thr Ala Tyr Asn Lys Gly Arg Leu Gln Ser Ser Phe Trp Ile Val Asp
210 215 220

5471

Lys Gln His Val Tyr Ile Gly Ser Ala Gly Leu Asp Trp Gln Ser Leu
 225 230 235 240

Gly Gln Val His Ile Leu Leu Tyr Ser Cys Lys
 245 250

<210> 6248

<211> 137

<212> PRT

<213> Homo sapiens

<400> 6248

Lys Gly Val Thr Glu Phe Gln Gln Phe Ser Asp Phe Tyr Ile Leu Phe
 1 5 10 15

Leu Phe Leu Ser Asn Pro Cys Leu Leu Ser Pro Gly Gly Lys Tyr Ile
 20 25 30

Phe Phe Asn Val Phe Pro Ala Phe Leu Pro Lys Cys Val Phe Phe Phe
 35 40 45

Gly Leu Leu Tyr Pro Ala Ser Ser Ala Val Pro Gly Ile Gly Pro Ser
 50 55 60

Leu Gln Lys Pro Phe Gln Glu Tyr Leu Glu Ala Gln Arg Gln Lys Leu
 65 70 75 80

His His Lys Ser Glu Met Gly Thr Pro Gln Gly Glu Asn Trp Leu Ser
 85 90 95

Trp Met Phe Glu Lys Leu Val Val Val Met Val Cys Tyr Phe Ile Leu
 100 105 110

Ser Ile Ile Asn Ser Met Ala Gln Ser Tyr Ala Lys Arg Ile Gln Gln
 115 120 125

Arg Leu Asn Ser Glu Glu Lys Thr Lys
 130 135

<210> 6249

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

5472

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6249

Ala	Xaa	Ser	Trp	Ala	Ala	Leu	His	Ser	Gln	Val	Phe	Pro	Ala	Leu	Thr
1				5					10					15	
Pro	Lys	Arg	Trp	Thr	Gln	Val	Arg	Arg	Gly	Thr	Ala	Thr	Val	Gly	Gly
			20					25					30		
Met	Ala	Ile	Leu	Gln	Val	Thr	Ala	Gly	His	Pro	Leu	Ala	Met	Ala	Gln
			35					40					45		
Gly	Pro	Ala	Gly	His	Pro	Pro	Thr	Met	Val	Gln	Gly	Pro	Ala	Gly	His
		50					55				60				
Pro	Leu	Ala	Met	Ala	Gln	Gly	Pro	Ala	Gly	His	Pro	Pro	Thr	Met	Val
	65				70					75					80
Gln	Gly	Pro	Ala	Gly	Leu	Pro	Leu	Ala	Met	Ala	Gln	Val	Thr	His	Pro
				85					90					95	
Leu	Val	His	Ile	Thr	Glu	Glu	Val	Glu	Glu	Asn	Arg	Thr	Gln	Asp	Gly
			100					105					110		
Lys	Pro	Glu	Arg	Ile	Ala	Gln	Leu	Thr	Trp	Asn	Glu	Ala			
		115					120					125			

<210> 6250

<211> 289

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (225)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (228)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (229)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6250

5473

Gly Glu Glu Gln Pro Leu Ala Ala Ala Pro Thr Glu Cys Leu Glu Gln.
 1 5 10 15
 Val Ile Gly Gly Ala Gly Asp Pro Gly Thr Trp Ala Ser Phe Pro Ser
 20 25 30
 Pro Leu Pro Gly Pro Ala Pro Leu Lys Gly Gly Lys Thr Met Ala Thr
 35 40 45
 Asn Phe Ser Asp Ile Val Lys Gln Gly Tyr Val Lys Met Lys Ser Arg
 50 55 60
 Lys Leu Gly Ile Tyr Arg Arg Cys Trp Leu Val Phe Arg Lys Ser Ser
 65 70 75 80
 Ser Lys Gly Pro Gln Arg Leu Glu Lys Tyr Pro Asp Glu Lys Ser Val
 85 90 95
 Cys Leu Arg Gly Cys Pro Lys Val Thr Glu Ile Ser Asn Val Lys Cys
 100 105 110
 Val Thr Arg Leu Pro Lys Glu Thr Lys Arg Gln Ala Val Ala Ile Ile
 115 120 125
 Phe Thr Asp Asp Ser Ala Arg Thr Phe Thr Cys Asp Ser Glu Leu Glu
 130 135 140
 Ala Glu Glu Trp Tyr Lys Thr Leu Ser Val Glu Cys Leu Gly Ser Arg
 145 150 155 160
 Leu Asn Asp Ile Ser Leu Gly Glu Pro Asp Leu Leu Ala Pro Gly Val
 165 170 175
 Gln Cys Glu Gln Thr Asp Arg Phe Asn Val Phe Leu Leu Pro Cys Pro
 180 185 190
 Asn Leu Asp Val Tyr Gly Glu Cys Lys Leu Gln Ile Thr His Glu Asn
 195 200 205
 Ile Tyr Leu Trp Asp Ile His Asn Pro Arg Val Lys Leu Val Ser Trp
 210 215 220
 Xaa Leu Cys Xaa Xaa Arg Arg Tyr Gly Arg Asp Ala Thr Arg Phe Thr
 225 230 235 240
 Phe Glu Ala Gly Arg Met Cys Asp Ala Gly Glu Gly Leu Tyr Thr Phe
 245 250 255
 Gln Thr Gln Glu Gly Glu Gln Ile Tyr Gln Arg Val His Ser Ala Thr
 260 265 270

5474

Leu Ala Ile Ala Glu Gln His Lys Arg Val Leu Leu Glu Met Glu Lys
 275 280 285

Thr

<210> 6251

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6251

Arg Xaa Gln Ala Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg
 1 5 10 15

Phe Asn Gln Thr Ala Gln Thr Cys Met Glu Ala Ala Ser Asp Arg Leu
 20 25 30

Gly Leu Gly Gln Arg Arg Ser Lys Thr Met Val Gly Lys Met Trp Pro
 35 40 45

Val Leu Trp Thr Leu Cys Ala Val Arg Val Thr Val Asp Ala Ile Ser
 50 55 60

Val Glu Thr Pro Gln Asp Val Leu Arg Ala Ser Gln Gly Lys Ser Val
 65 70 75 80

Thr Leu Pro Cys Thr Tyr His Thr Ser Thr Ser Ser Arg Glu Gly Leu
 85 90 95

Ile Gln Trp Asp Lys Leu Leu Leu Thr His Thr Glu Arg Val Val Ile
 100 105 110

Trp Pro Phe Ser Asn Lys Asn Tyr Ile His Gly Glu Leu Tyr Lys Asn
 115 120 125

Arg Val Ser Ile Ser Asn Asn Ala Glu Gln Ser Asp Ala Ser Ser Pro
 130 135 140

Leu Ile Ser
 145

5475

<210> 6252

<211> 179

<212> PRT

<213> Homo sapiens

<400> 6252

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Pro Arg Gly Thr Ser Arg Arg Ser Ala Trp Pro Lys Met Ala Ala Ser
 1             5             10             15

Val Cys Ser Gly Leu Leu Gly Pro Arg Val Leu Ser Trp Ser Arg Glu
             20             25             30

Leu Pro Cys Ala Trp Arg Ala Leu His Thr Ser Pro Val Cys Ala Lys
             35             40             45

Asn Arg Ala Ala Arg Val Arg Val Ser Lys Gly Asp Lys Pro Val Thr
             50             55             60

Tyr Glu Glu Ala His Ala Pro His Tyr Ile Ala His Arg Lys Gly Trp
 65             70             75             80

Leu Ser Leu His Thr Gly Asn Leu Asp Gly Glu Asp His Ala Ala Glu
             85             90             95

Arg Thr Val Glu Asp Val Phe Leu Arg Lys Phe Met Trp Gly Thr Phe
             100            105            110

Pro Gly Cys Leu Ala Asp Gln Leu Val Leu Lys Arg Arg Gly Asn Gln
             115            120            125

Leu Glu Ile Cys Ala Val Val Leu Arg Gln Leu Ser Pro His Lys Tyr
             130            135            140

Tyr Phe Leu Val Gly Tyr Ser Glu Thr Leu Leu Ser Tyr Phe Tyr Lys
             145            150            155            160

Cys Pro Val Arg Leu His Leu Gln Thr Val Pro Ser Lys Val Val Tyr
             165            170            175

Lys Tyr Leu

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<210> 6253

<211> 288

<212> PRT

<213> Homo sapiens

<400> 6253

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Glu Ile Arg Val Ser Cys Thr Ala Gly Ala Gly Phe Pro Ala Ala Gln

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5476

1	5	10	15
Ala Arg Val Arg Cys Leu Cys His Leu Ile Leu Met Ser Gly Glu Ile	20	25	30
Ala Met Cys Glu Pro Glu Phe Gly Asn Asp Lys Ala Arg Glu Pro Ser	35	40	45
Val Gly Gly Arg Trp Arg Val Ser Trp Tyr Glu Arg Phe Val Gln Pro	50	55	60
Cys Leu Val Glu Leu Leu Gly Ser Ala Leu Phe Ile Phe Ile Gly Cys	65	70	75
Leu Ser Val Ile Glu Asn Gly Thr Asp Thr Gly Leu Leu Gln Pro Ala	85	90	95
Leu Ala His Gly Leu Ala Leu Gly Leu Val Ile Ala Thr Leu Gly Asn	100	105	110
Ile Ser Gly Gly His Phe Asn Pro Ala Val Ser Leu Ala Ala Met Leu	115	120	125
Ile Gly Gly Leu Asn Leu Val Met Leu Leu Pro Tyr Trp Val Ser Gln	130	135	140
Leu Leu Gly Gly Met Leu Gly Ala Ala Leu Ala Lys Ala Val Ser Pro	145	150	155
Glu Glu Arg Phe Trp Asn Ala Ser Gly Ala Ala Phe Val Thr Val Gln	165	170	175
Glu Gln Gly Gln Val Ala Gly Ala Leu Val Ala Glu Ile Ile Leu Thr	180	185	190
Thr Leu Leu Ala Leu Ala Val Cys Met Gly Ala Ile Asn Glu Lys Thr	195	200	205
Lys Gly Pro Leu Ala Pro Phe Ser Ile Gly Phe Ala Val Thr Val Asp	210	215	220
Ile Leu Ala Gly Gly Pro Val Ser Gly Gly Cys Met Asn Pro Ala Arg	225	230	235
Ala Phe Gly Pro Ala Val Val Ala Asn His Trp Asn Phe His Trp Ile	245	250	255
Tyr Trp Leu Gly Pro Leu Leu Ala Gly Leu Leu Val Gly Leu Leu Ile	260	265	270
Arg Cys Phe Ile Gly Asp Gly Lys Thr Arg Leu Ile Leu Lys Ala Gln			

5477

275

280

285

<210> 6254

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6254

Gly Val Thr Arg Pro Thr Arg Ala Pro Arg Phe Ala Ser Ala Ala Ser
 1 5 10 15

Trp Pro Lys Gly Gly Asp Arg Gly Gly Trp Arg Gly Ala Ala Arg Thr
 20 25 30

Arg Ser Pro Gly Ala Gly Pro Val Arg Thr Ala Arg Glu Gly Arg Ser
 35 40 45

Val Gly Arg Ser Arg Pro Arg Asp Ser Ile Ser Ala Arg Ser Asp Asn
 50 55 60

Ser Pro Phe Pro Trp Arg Ser Leu Arg Ala Trp His Pro Ala Gly Arg
 65 70 75 80

Leu Lys Thr Val Val Ser Ser Ile Ala Ser Leu Asp Leu Ala Thr Ile
 85 90 95

Ser Glu Met Ser Ser Arg Ser Thr Lys Asp Leu Ile Lys Ser Lys Trp
 100 105 110

Gly Ser Lys Pro Ser Asn Ser Lys Ser Glu Thr Thr Leu Glu Lys Leu
 115 120 125

Lys Gly Glu Ile Ala His Leu Lys Thr Ser Val Asp Glu Ile Thr Ser
 130 135 140

Gly Lys Gly Lys Leu Thr Asp Lys Glu Arg Gln Arg Phe Xaa Glu Lys
 145 150 155 160

Ile Arg Val Leu Glu
 165

5478

<210> 6255

<211> 189

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6255

Ser	Thr	Gly	Pro	Cys	Pro	Ser	His	Gly	Gln	Arg	Phe	Glu	Ser	Trp	Leu
1				5				10					15		

Ser	Cys	Thr	Cys	Val	Trp	Pro	Lys	Ala	Lys	Cys	Ala	Leu	Leu	Arg	Asp
			20					25					30		

Asp	Leu	Val	Leu	Val	Asp	Ser	Pro	Gly	Thr	Asp	Val	Thr	Thr	Glu	Leu
		35					40				45				

Asp	Ser	Trp	Ile	Asp	Lys	Phe	Cys	Leu	Asp	Ala	Asp	Val	Phe	Val	Leu
	50					55					60				

Val	Ala	Asn	Ser	Glu	Ser	Thr	Leu	Met	Asn	Thr	Glu	Lys	His	Phe	Phe
65					70					75					80

His	Lys	Val	Asn	Glu	Arg	Leu	Ser	Lys	Pro	Asn	Ile	Phe	Ile	Leu	Asn
			85						90					95	

Asn	Arg	Trp	Asp	Ala	Ser	Ala	Ser	Glu	Pro	Glu	Tyr	Met	Glu	Asp	Val
			100					105					110		

Arg	Arg	Gln	His	Met	Glu	Arg	Cys	Leu	His	Phe	Leu	Val	Glu	Glu	Leu
		115					120					125			

Lys	Val	Val	Asn	Ala	Leu	Glu	Ala	Xaa	Asn	Arg	Ile	Phe	Phe	Val	Ser
	130					135					140				

Ala	Lys	Glu	Val	Leu	Ser	Ala	Arg	Lys	Gln	Lys	Ala	Gln	Gly	Met	Pro
145					150					155					160

Glu	Ser	Gly	Val	Ala	Leu	Ala	Glu	Gly	Phe	His	Ala	Arg	Leu	Gln	Glu
			165						170					175	

Phe	Gln	Asn	Phe	Glu	Gln	Ile	Phe	Glu	Val	Gly	Ile	Leu
		180						185				

5479

<210> 6256

<211> 337

<212> PRT

<213> Homo sapiens

<400> 6256

Arg Pro Asp Leu Ala Thr Met Arg Ala Leu Leu Ala Arg Leu Leu Leu
 1 5 10 15

Cys Val Leu Val Val Ser Asp Ser Lys Gly Ser Asn Glu Leu His Gln
 20 25 30

Val Pro Ser Asn Cys Asp Cys Leu Asn Gly Gly Thr Cys Val Ser Asn
 35 40 45

Lys Tyr Phe Ser Asn Ile His Trp Cys Asn Cys Pro Lys Lys Phe Gly
 50 55 60

Gly Gln His Cys Glu Ile Asp Lys Ser Lys Thr Cys Tyr Glu Gly Asn
 65 70 75 80

Gly His Phe Tyr Arg Gly Lys Ala Ser Thr Asp Thr Met Gly Arg Pro
 85 90 95

Cys Leu Pro Trp Asn Ser Ala Thr Val Leu Gln Gln Thr Tyr His Ala
 100 105 110

His Arg Ser Asp Ala Leu Gln Leu Gly Leu Gly Lys His Asn Tyr Cys
 115 120 125

Arg Asn Pro Asp Asn Arg Arg Arg Pro Trp Cys Tyr Val Gln Val Gly
 130 135 140

Leu Lys Pro Leu Val Gln Glu Cys Met Val His Asp Cys Ala Asp Gly
 145 150 155 160

Lys Lys Pro Ser Ser Pro Pro Glu Glu Leu Lys Phe Gln Cys Gly Gln
 165 170 175

Lys Thr Leu Arg Pro Arg Phe Lys Ile Ile Gly Gly Glu Phe Thr Thr
 180 185 190

Ile Glu Asn Gln Pro Trp Phe Ala Ala Ile Tyr Arg Arg His Arg Gly
 195 200 205

Gly Ser Val Thr Tyr Val Cys Gly Gly Ser Leu Ile Ser Pro Cys Trp
 210 215 220

Val Ile Ser Ala Thr His Cys Phe Ile Asp Tyr Pro Lys Lys Glu Asp
 225 230 235 240

5480

Tyr Ile Val Tyr Leu Gly Arg Ser Arg Leu Asn Ser Asn Thr Gln Gly
 245 250 255

Glu Met Lys Phe Glu Val Glu Asn Leu Ile Leu His Lys Asp Tyr Ser
 260 265 270

Ala Asp Thr Leu Ala His His Asn Asp Ile Ala Leu Leu Lys Ile Arg
 275 280 285

Ser Lys Glu Gly Arg Cys Ala Gln His Pro Gly Leu Tyr Arg Pro Ser
 290 295 300

Ala Cys Pro Arg Cys Ile Thr Ile Pro Ser Leu Ala Gln Ala Val Arg
 305 310 315 320

Ser Leu Ala Leu Glu Lys Arg Ile Leu Pro Thr Ile Ser Ile Arg Ser
 325 330 335

Ser

<210> 6257

<211> 89

<212> PRT

<213> Homo sapiens

<400> 6257

Asn Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly Pro
 1 5 10 15

Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val
 20 25 30

Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn
 35 40 45

Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu
 50 55 60

Ala Arg Thr Asp Arg Leu Pro Thr Val Ala Gln Pro Glu Trp Arg Met
 65 70 75 80

Ala Asn Cys Lys Ala Leu Ile Phe Trp
 85

<210> 6258

<211> 370

5481

<212> PRT

<213> Homo sapiens

<400> 6258

Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
 1 5 10 15

Pro Gly Lys Leu Val Ala Leu Val Leu Leu Gly Val Gly Leu Ser Leu
 20 25 30

Val Gly Glu Met Phe Leu Ala Phe Arg Glu Arg Val Asn Ala Ser Arg
 35 40 45

Glu Val Glu Pro Val Glu Pro Glu Asn Cys His Leu Ile Glu Glu Leu
 50 55 60

Glu Ser Gly Ser Glu Asp Ile Asp Ile Leu Pro Ser Gly Leu Ala Phe
 65 70 75 80

Ile Ser Ser Gly Leu Lys Tyr Pro Gly Met Pro Asn Phe Ala Pro Asp
 85 90 95

Glu Pro Gly Lys Ile Phe Leu Met Asp Leu Asn Glu Gln Asn Pro Arg
 100 105 110

Ala Gln Ala Leu Glu Ile Ser Gly Gly Phe Asp Lys Glu Leu Phe Asn
 115 120 125

Pro His Gly Ile Ser Ile Phe Ile Asp Lys Asp Asn Thr Val Tyr Leu
 130 135 140

Tyr Val Val Asn His Pro His Met Lys Ser Thr Val Glu Ile Phe Lys
 145 150 155 160

Phe Glu Glu Gln Gln Arg Ser Leu Val Tyr Leu Lys Thr Ile Lys His
 165 170 175

Glu Leu Leu Lys Ser Val Asn Asp Ile Val Val Leu Gly Pro Glu Gln
 180 185 190

Phe Tyr Ala Thr Arg Asp His Tyr Phe Thr Asn Ser Leu Leu Ser Phe
 195 200 205

Phe Glu Met Ile Leu Asp Leu Arg Trp Thr Tyr Val Leu Phe Tyr Ser
 210 215 220

Pro Arg Glu Val Lys Val Val Ala Lys Gly Phe Cys Ser Ala Asn Gly
 225 230 235 240

Ile Thr Val Ser Ala Asp Gln Lys Tyr Val Tyr Val Ala Asp Val Ala
 245 250 255

5482

Ala Lys Asn Ile His Ile Met Glu Lys His Asp Asn Trp Asp Leu Thr
 260 265 270

Gln Leu Lys Val Ile Gln Leu Gly Thr Leu Val Asp Asn Leu Thr Val
 275 280 285

Asp Pro Ala Thr Gly Asp Ile Leu Ala Gly Cys His Pro Asn Pro Met
 290 295 300

Lys Leu Leu Asn Tyr Asn Pro Glu Asp Pro Pro Gly Ser Glu Val Leu
 305 310 315 320

Arg Ile Gln Asn Val Leu Ser Glu Lys Pro Arg Val Ser Thr Val Tyr
 325 330 335

Ala Asn Asn Gly Ser Val Leu Gln Gly Thr Ser Val Ala Ser Val Tyr
 340 345 350

His Gly Lys Ile Leu Ile Gly Thr Val Phe His Lys Thr Leu Tyr Cys
 355 360 365

Glu Leu
 370

<210> 6259

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6259

Leu Met Gln Ala Ile Ser Leu Phe Ser Xaa Asp Arg Pro Gly Val Leu
 1 5 10 15

Gln His Arg Val Val Asp Gln Leu Gln Glu Gln Phe Ala Ile Thr Leu
 20 25 30

Lys Ser Tyr Ile Glu Cys Asn Arg Pro Gln Pro Ala His Arg Phe Leu
 35 40 45

Phe Leu Lys Ile Met Ala Met Leu Thr Glu Leu Arg Ser Ile Asn Ala
 50 55 60

Gln His Thr Gln Arg Leu Leu Arg Ile Gln Asp Ile His Pro Phe Ala

5483

65 70 75 80

Thr Pro Leu Met Gln Glu Leu Phe Gly Ile Thr Gly Ser

 85 90

<210> 6260

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6260

Val Ile Lys Leu Ile Cys Pro Ala Ala Phe Pro Val Tyr Phe Gln Asp
1 5 10 15

Met Ala Arg Gly Cys Val Cys Ser Leu Cys Ala Ser Val Cys Ile Xaa
20 25 30

Leu Ser Ser Leu Phe Pro Leu Leu Pro Ser Val His Ser Val Asn Ile
35 40 45

Ile Ser Cys Leu Xaa Leu Ser Lys Cys Phe Glu Ser Leu Asn Ser Cys
50 55 60

Val	Ser	Ile	Leu	Ser	Thr	Ile	Pro	Ile	Ala	Val	Leu	His	His	Lys	Ser
65					70					75					80

Pro Ile Gly Xaa Tyr Pro
85

<210> 6261

<211> 95

<212> PRT

5484

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6261

Ala	Ser	Phe	Leu	Leu	Glu	Leu	Leu	Val	Leu	Pro	Ala	Ser	Thr	Thr	His
1				5					10					15	

Pro	Cys	Ser	Ala	Glu	Pro	Leu	Gly	Ala	Glu	Trp	Gln	Glu	Pro	Gln	Gly
			20				25					30			

Cys	Pro	Ile	Trp	Val	Trp	Leu	Ala	Gly	Ser	Leu	Thr	Ser	Val	Ile	Cys
		35				40						45			

Phe	Leu	Pro	Phe	Gln	Ile	Met	Arg	Ile	Lys	Pro	His	Gln	Gly	Gln	His
	50					55					60				

Ile	Gly	Glu	Met	Ser	Phe	Leu	Gln	His	Asn	Lys	Cys	Glu	Cys	Arg	Xaa
65					70					75					80

Lys	Xaa	Asp	Arg	Ala	Arg	Gln	Glu	Asn	Pro	Cys	Gly	Pro	Xaa	Ser	
				85					90					95	

<210> 6262

<211> 127

<212> PRT

<213> Homo sapiens

<400> 6262

Ala	Asp	Asn	Asn	Phe	Thr	Gln	Glu	Thr	Ala	Met	Thr	Met	Ile	Thr	Pro
1				5					10					15	

Ser	Ser	Lys	Leu	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr
			20					25					30		

Ala	Val	Ala	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5486

Gly Asp Asp Lys Val Lys Lys Ala Arg Ile Ala Met Gly Gly Gly Ile
 145 150 155 160
 Ile Phe Ile Val Ala Gly Leu Ala Ala Leu Val Ala Cys Ser Trp Tyr
 165 170 175
 Gly His Gln Ile Val Thr Asp Phe Tyr Asn Pro Leu Ile Pro Thr Asn
 180 185 190
 Ile Lys Tyr Glu Phe Gly Pro Ala Ile Phe Ile Gly Trp Ala Gly Ser
 195 200 205
 Ala Leu Val Ile Leu Gly Gly Ala Leu Leu Ser Cys Ser Cys Pro Gly
 210 215 220
 Asn Glu Ser Lys Ala Gly Tyr Arg Ala Pro Arg Ser Tyr Pro Lys Ser
 225 230 235 240
 Asn Ser Ser Lys Glu Tyr Val
 245

<210> 6264

<211> 145

<212> PRT

<213> Homo sapiens

<400> 6264

Pro Asp Ser Val Phe Ser Pro Ala Ala Ser Pro Thr Lys Glu Ile Gln
 1 5 10 15
 Val Lys Lys Tyr Lys Cys Gly Leu Ile Lys Pro Cys Pro Ala Asn Tyr
 20 25 30
 Phe Ala Phe Lys Ile Cys Ser Gly Ala Ala Asn Val Val Gly Pro Thr
 35 40 45
 Met Cys Phe Glu Asp Arg Met Ile Met Ser Pro Val Lys Asn Asn Val
 50 55 60
 Gly Arg Gly Leu Asn Ile Ala Leu Val Asn Gly Thr Thr Gly Ala Val
 65 70 75 80
 Leu Gly Gln Lys Ala Phe Asp Met Tyr Ser Gly Asp Val Met His Leu
 85 90 95
 Val Lys Phe Leu Lys Glu Ile Pro Gly Gly Ala Leu Val Leu Val Ala
 100 105 110

5487

Ser Tyr Asp Asp Pro Gly Thr Lys Met Asn Asp Glu Ser Arg Lys Leu
 115 120 125

Phe Ser Asp Leu Gly Ser Ser Tyr Ala Lys Gln Leu Gly Phe Gly Thr
 130 135 140

Val
 145

<210> 6265

<211> 66

<212> PRT

<213> Homo sapiens

<400> 6265

Leu Glu Ser Arg Ser Cys Thr Pro Leu Ile Phe Leu Leu Lys His Leu
 1 5 10 15

Lys Val Tyr Ile Gly Cys Gln Met Ser Asn Ile Thr Tyr Phe Ile Leu
 20 25 30

Phe Ser Ser Asn Leu Tyr Phe Thr Val Val Gln Gly Met Lys Glu Ala
 35 40 45

Gln Glu Arg Leu Thr Gly Asp Ala Phe Arg Lys Lys His Leu Glu Asp
 50 55 60

Glu Leu
 65

<210> 6266

<211> 134

<212> PRT

<213> Homo sapiens

<400> 6266

Ala Arg Gly Pro Arg Gly Leu Ala Pro Pro Arg Pro Ala Arg Pro Pro
 1 5 10 15

Pro Gly Gly Met Ser Tyr Lys Pro Asn Leu Ala Ala His Met Pro Ala
 20 25 30

Ala Ala Leu Asn Ala Ala Gly Ser Val His Ser Pro Ser Thr Ser Met
 35 40 45

Ala Thr Ser Ser Gln Tyr Arg Gln Leu Leu Ser Asp Tyr Gly Pro Pro
 50 55 60

5488

Ser Leu Gly Tyr Thr Gln Gly Thr Gly Asn Ser Gln Val Pro Gln Ser
 65 70 75 80

Lys Tyr Ala Glu Leu Leu Ala Ile Ile Glu Glu Leu Gly Lys Glu Ile
 85 90 95

Arg Pro Thr Tyr Ala Gly Ser Lys Ser Ala Met Glu Arg Leu Lys Arg
 100 105 110

Gly Ile Ile His Ala Arg Gly Leu Val Arg Glu Cys Leu Ala Glu Thr
 115 120 125

Glu Arg Asn Ala Arg Ser
 130

<210> 6267

<211> 201

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6267

Xaa Xaa Leu Thr Lys Gly Asn Lys Ser Xaa Xaa Leu His Arg Gly Val
 1 5 10 15

5489

Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr
 20 25 30
 Ser Ile Gly Thr Gly Gly Phe Ala Lys Val Lys Leu Ala Cys His Ile
 35 40 45
 Leu Thr Gly Glu Met Val Ala Ile Lys Ile Met Asp Lys Asn Thr Leu
 50 55 60
 Gly Ser Asp Leu Pro Arg Ile Lys Thr Glu Ile Glu Ala Leu Lys Asn
 65 70 75 80
 Leu Arg His Gln His Ile Cys Gln Leu Tyr His Val Leu Glu Thr Ala
 85 90 95
 Asn Lys Ile Phe Met Val Leu Glu Tyr Cys Pro Gly Gly Glu Leu Phe
 100 105 110
 Asp Tyr Ile Ile Ser Gln Xaa Arg Leu Ser Glu Glu Glu Thr Arg Val
 115 120 125
 Val Phe Arg Gln Ile Val Ser Ala Val Ala Tyr Val His Ser Gln Gly
 130 135 140
 Tyr Ala His Arg Asp Leu Lys Pro Glu Asn Leu Leu Phe Asp Glu Tyr
 145 150 155 160
 His Lys Leu Lys Leu Ile Asp Phe Gly Leu Cys Ala Lys Pro Lys Gly
 165 170 175
 Asn Lys Asp Tyr His Leu Gln Thr Cys Cys Gly Ser Leu Ala Tyr Ala
 180 185 190
 Ala Pro Glu Leu Ile Gln Gly Lys Ser
 195 200

<210> 6268

<211> 355

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (233)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5490

<222> (264)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (302)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (305)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (313)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (344)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (352)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6268

Arg	Pro	Thr	Arg	Pro	Val	Gln	Tyr	Glu	Leu	Trp	Ala	Ala	Leu	Pro	Gly
1				5					10					15	

Ala	Ser	Gly	Val	Ala	Leu	Ala	Cys	Cys	Phe	Val	Ala	Ala	Ala	Val	Ala
			20					25					30		

Leu	Arg	Trp	Ser	Gly	Arg	Arg	Thr	Ala	Val	Ala	Arg	Trp	Ser	Gly	Arg
		35					40					45			

Asp	Arg	Gly	Ser	Glu	Arg	Ala	Trp	Arg	Thr	Trp	Thr	Gly	Arg	Arg	Thr
		50				55					60				

Phe	Arg	Leu	Gln	Asn	Pro	Asp	Leu	Asp	Ser	Glu	Ala	Leu	Leu	Ala	Leu
65					70					75					80

Pro	Leu	Pro	Gln	Leu	Val	Gln	Lys	Leu	His	Ser	Arg	Glu	Leu	Ala	Pro
			85						90					95	

Glu	Ala	Val	Leu	Phe	Thr	Tyr	Val	Gly	Lys	Ala	Trp	Glu	Val	Asn	Lys
			100					105					110		

Gly	Thr	Asn	Cys	Val	Thr	Ser	Tyr	Leu	Ala	Asp	Cys	Glu	Thr	Gln	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

5491

115		120		125
Ser Gln Ala Pro Arg Gln Gly Leu Leu Tyr Gly Val Pro Val Ser Leu				
130		135		140
Lys Glu Cys Phe Thr Tyr Lys Gly Gln Asp Ser Thr Leu Gly Leu Ser				
145		150		155
				160
Leu Asn Glu Gly Val Pro Ala Glu Cys Asp Ser Val Val Val His Val				
	165		170	175
Leu Lys Leu Gln Gly Ala Val Pro Phe Val His Thr Asn Val Pro Gln				
	180		185	190
Ser Met Phe Ser Tyr Asp Cys Ser Asn Pro Leu Phe Gly Gln Thr Val				
	195		200	205
Asn Pro Trp Lys Ser Ser Lys Ser Pro Gly Gly Ser Ser Gly Gly Glu				
	210		215	220
Gly Ala Leu Ile Gly Ser Gly Gly Xaa Pro Leu Gly Leu Gly Thr Asp				
	225		230	235
				240
Ile Gly Gly Ser Ile Arg Phe Pro Ser Ser Phe Cys Gly Ile Cys Gly				
	245		250	255
Leu Lys Pro Thr Gly Asn Pro Xaa Gln Cys Val Ser Pro Trp Ala Pro				
	260		265	270
Trp Pro Gly Thr Trp Lys Ser Leu Ala Leu Val Pro Ala Asn Pro Ala				
	275		280	285
Cys Ala Lys Asp Met Phe Pro Leu Gly Pro Asn Val Pro Xaa Leu Pro				
	290		295	300
Xaa Lys Lys Arg Ser Thr Pro Ser Xaa Asn Pro Cys Val Trp Gly Thr				
	305		310	315
				320
Met Arg Ile Asp Asn Tyr Thr Met Pro Ser Arg His Glu Ala Ala Leu				
	325		330	335
Leu Gly Asn Lys Gln Ser Leu Xaa Trp Gly Thr Pro Ala Ser Cys Xaa				
	340		345	350
Ser Lys Thr				
355				

<210> 6269

<211> 133

5492

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6269

Xaa	Lys	Leu	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr	Ala
1				5					10					15	

Val	Xaa	Ser	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser
			20					25					30		

Ala	Arg	Gly	Thr	Phe	Phe	Lys	Met	Glu	Leu	Phe	Glu	Gly	Met	Arg	Glu
		35					40					45			

Ser	Thr	Lys	Ile	Ser	Ser	Leu	Leu	Ala	Glu	Leu	Glu	Ala	Ile	Gln	Arg
	50					55					60				

Asn	Ser	Ala	Ser	Gln	Lys	Ser	Val	Ile	Val	Ser	Gln	Trp	Thr	Asn	Met
65					70					75				80	

Leu	Lys	Val	Val	Ala	Leu	His	Leu	Lys	Lys	His	Gly	Leu	Thr	Tyr	Ala
				85					90					95	

Thr	Ile	Asp	Gly	Ser	Val	Asn	Pro	Lys	Gln	Arg	Met	Asp	Leu	Val	Glu
			100					105					110		

Ala	Phe	Asn	His	Ser	Arg	Gly	Pro	Gln	Val	Met	Leu	Ile	Ser	Leu	Leu
		115					120					125			

Ala	Gly	Val	Leu	Val
				130

<210> 6270

<211> 466

<212> PRT

<213> Homo sapiens

<400> 6270

Asn	Thr	Val	Met	Gly	Arg	Lys	Lys	Lys	Lys	Gln	Leu	Lys	Pro	Trp	Cys
1					5					10				15	

5493

Trp Tyr Cys Asn Arg Asp Phe Asp Asp Glu Lys Ile Leu Ile Gln His
 20 25 30
 Gln Lys Ala Lys His Phe Lys Cys His Ile Cys His Lys Lys Leu Tyr
 35 40 45
 Thr Gly Pro Gly Leu Ala Ile His Cys Met Gln Val His Lys Glu Thr
 50 55 60
 Ile Asp Ala Val Pro Asn Ala Ile Pro Gly Arg Thr Asp Ile Glu Leu
 65 70 75 80
 Glu Ile Tyr Gly Met Glu Gly Ile Pro Glu Lys Asp Met Asp Glu Arg
 85 90 95
 Arg Arg Leu Leu Glu Gln Lys Thr Gln Glu Ser Gln Lys Lys Lys Gln
 100 105 110
 Gln Asp Asp Ser Asp Glu Tyr Asp Asp Asp Asp Ser Ala Ala Ser Thr
 115 120 125
 Ser Phe Gln Pro Gln Pro Val Gln Pro Gln Gln Gly Tyr Ile Pro Pro
 130 135 140
 Met Ala Gln Pro Gly Leu Pro Pro Val Pro Gly Ala Pro Gly Met Pro
 145 150 155 160
 Pro Gly Ile Pro Pro Leu Met Pro Gly Val Pro Pro Leu Met Pro Gly
 165 170 175
 Met Pro Pro Val Met Pro Gly Met Pro Pro Gly Leu His His Gln Arg
 180 185 190
 Lys Tyr Thr Gln Ser Phe Cys Gly Glu Asn Ile Met Met Pro Met Gly
 195 200 205
 Gly Met Met Pro Pro Gly Pro Gly Ile Pro Pro Leu Met Pro Gly Met
 210 215 220
 Pro Pro Gly Met Pro Pro Pro Val Pro Arg Pro Gly Ile Pro Pro Met
 225 230 235 240
 Thr Gln Ala Gln Ala Val Ser Ala Pro Gly Ile Leu Asn Arg Pro Pro
 245 250 255
 Ala Pro Thr Ala Thr Val Pro Ala Pro Gln Pro Pro Val Thr Lys Pro
 260 265 270
 Leu Phe Pro Ser Ala Gly Gln Ala Gln Ala Ala Val Gln Gly Pro Val
 275 280 285

5494

Gly Thr Asp Phe Lys Pro Leu Asn Ser Thr Pro Ala Thr Thr Thr Glu
 290 295 300
 Pro Pro Lys Pro Thr Phe Pro Ala Tyr Thr Gln Ser Thr Ala Ser Thr
 305 310 315 320
 Thr Ser Thr Thr Asn Ser Thr Ala Ala Lys Pro Ala Ala Ser Ile Thr
 325 330 335
 Ser Lys Pro Ala Thr Leu Thr Thr Thr Ser Ala Thr Ser Lys Leu Ile
 340 345 350
 His Pro Asp Glu Asp Ile Ser Leu Glu Glu Arg Arg Ala Gln Leu Pro
 355 360 365
 Lys Tyr Gln Arg Asn Leu Pro Arg Pro Gly Gln Ala Pro Ile Gly Asn
 370 375 380
 Pro Pro Val Gly Pro Ile Gly Gly Met Met Pro Pro Gln Pro Gly Ile
 385 390 395 400
 Pro Gln Gln Gln Gly Met Arg Pro Pro Met Pro Pro His Gly Gln Tyr
 405 410 415
 Gly Gly His His Gln Gly Met Pro Gly Tyr Leu Pro Gly Ala Met Pro
 420 425 430
 Pro Tyr Gly Gln Gly Pro Pro Met Val Pro Pro Tyr Gln Gly Gly Pro
 435 440 445
 Pro Arg Pro Pro Met Gly Met Arg Pro Pro Val Met Ser Gln Gly Gly
 450 455 460
 Arg Tyr
 465

<210> 6271

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

5495

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6271

His Thr Ala Leu Ser Ala Phe Thr Ala Ile Pro Ala Val Leu Ala Ala
 1 5 10 15

Pro Ala Met Gly Leu Glu Leu Phe Leu Asp Leu Val Ser Gln Pro Ser
 20 25 30

Arg Ala Val Tyr Ile Phe Ala Lys Lys Asn Gly Ile Pro Leu Glu Leu
 35 40 45

Arg Thr Val Asp Leu Val Lys Gly Gly Pro Ser Pro Phe Pro Arg Val
 50 55 60

Ser Thr Asn Pro Val Xaa Pro Gln Ala Pro Ala Cys Ser Ala Leu Ser
 65 70 75 80

Val Ser Pro Pro His Ser Pro Ser Pro Pro Pro Ala Ala Ser Ala Thr
 85 90 95

Arg Glu Cys Cys Gly Leu Ser Gly Leu Glu Gly Ser Gln Xaa Xaa
 100 105 110

<210> 6272

<211> 670

<212> PRT

<213> Homo sapiens

<400> 6272

Val Pro Ser Ala Ser Gln Val Arg Ala Ser Leu Pro Glu Pro Arg Asn
 1 5 10 15

Ser Ala Ala Ala Met Ala Ser Asn Met Asp Arg Glu Met Ile Leu Ala
 20 25 30

Asp Phe Gln Ala Cys Thr Gly Ile Glu Asn Ile Asp Glu Ala Ile Thr
 35 40 45

Leu Leu Glu Gln Asn Asn Trp Asp Leu Val Ala Ala Ile Asn Gly Val
 50 55 60

Ile Pro Gln Glu Asn Gly Ile Leu Gln Ser Glu Tyr Gly Gly Glu Thr